Government
Publications

SESSIONAL PAPERS.

VOL. XLII.—PART VI.

SECOND SESSION

OF THE

TWELFTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO.

SESSION 1910.

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LIST OF SESSIONAL PAPERS

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Colonization Roads, amount paid for inspection	70	*Not Printed.*
Corn Growers', Report	35	*Printed.*
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Entomological Society, Report	36	*Printed.*
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LIST OF SESSIONAL PAPERS

Arranged in numerical Order with their Titles at full length; the dates when Ordered and when presented to the Legislature; the name of the Member who moved the same, and whether Ordered to be Printed or not.

CONTENTS OF PART I.

No. 1..... Public Accounts of the Province, for the ten months ending 31st October, 1909. Presented to the Legislature, 27th January, 1910. *Printed.*

No. 2.... Estimates for the service of the Province until the Estimates of the year are finally passed. Presented to the Legislature, 28th January, 1909. *Not Printed.* Supplementary Estimates for the year 1909-10. Presented to the Legislature, 1st and 28th February, 1910. *Printed.* Estimates for the year ending 31st October, 1911. Presented to the Legislature, 7th March, 1910. *Printed.*

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No. 3..... Report of the Minister of Lands, Forests and Mines of the Province for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 4..... Report of the Bureau of Mines, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 5.... Report of the Inspector of Division Courts, for the year 1909. Presented to the Legislature. 8th February, 1910. *Printed.*

No. 6..... Report of the Inspector of Legal Offices, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 7..... Report of the Inspector of Registry Offices, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 8..... Report of the Provincial Municipal Auditor, for the year 1909. Presented to the Legislature. 14th March, 1910. *Printed.*

No. 9.... Report of the Commissioners for the Queen Victoria Niagara Falls Park, for the year 1909. Presented to the Legislature, 4th March, 1910. *Printed.*

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No. 10.... Report of the Inspector of Insurance and Registrar of Friendly Societies for the year 1909. Presented to the Legislature, 18th February, 1910. *Printed.*

No. 11.... Financial Statements made by Loan Corporations, Building Societies, Loaning Land Companies and Trust Companies, for the year 1909. Presented to the Legislature, 18th February, 1910. *Printed.*

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No. 12.... Report of the Minister of Public Works, for the year 1909. Presented to the Legislature, 14th February, 1910. *Printed.*

No. 13.... Report of the Game and Fisheries Department, for the year 1909. Presented to the Legislature, 18th February, 1910. *Printed.*

No. 14.... Report on Highway Improvement in Ontario, for the year 1909. Presented to the Legislature, 14th February, 1910. *Printed.*

No. 15.... Report of the Bureau of Labour of Ontario, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

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No. 16.... Report of the Minister of Education, for the year 1909. Presented to the Legislature, 21st February, 1910. *Printed.*

No. 17.... Report of the Board of Governors of the University of Toronto, for the year ending 30th June, 1909. Presented to the Legislature, 27th January, 1910. *Printed.*

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No. 18.... Report of the Secretary and Registrar of Ontario, for the year 1909. Presented to the Legislature, 4th March, 1910. *Printed.*

No. 19.... Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths, for the year 1908. Presented to the Legislature, 21st February, 1910. *Printed.*

No. 20.... Report of the Provincial Board of Health, for the year 1909. Presented to the Legislature, 21st February, 1910. *Printed.*

No. 21.... Report upon the Hospitals for the Insane of Ontario, for the year ending 30th September, 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 22.... Report upon the Hospital for Idiots and Epileptics, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 23.... Report upon the Feeble-Minded in Ontario, for the year 1909. Presented to the Legislature, 9th March, 1910. *Printed.*

No. 24.... Report upon the Hospitals and Charities of Ontario, for the year ending 30th September, 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 25.... Report upon the Common Gaols, Prisons, and Reformatories of Ontario, for the year ending 30th September, 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

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No. 26.... Report on Neglected and Dependent Children in Ontario, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 27.... Report upon the Operation of the Liquor License Acts in Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 28.... Report of the Department of Agriculture, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 29.... Report of the Ontario Agricultural College and Experimental Farm, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 30.... Report of the Ontario Veterinary College, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 31.... Report of the Ontario Agricultural and Experimental Union, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

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No. 32.... Report of the Fruit Growers' Association of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 33.... Report of the Fruit Branch of the Department of Agriculture, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 34.... Report of the Ontario Vegetable Growers' Association, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 35.... Report of the Ontario Corn Growers for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 36.... Report of the Entomological Society of Ontario. for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 37.... Report of the Ontario Bee-Keepers' Association, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 38.... Report of the Dairymen's Associations of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

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No. 39.... Report of the Live Stock Associations of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 40.... Report of the Farmers' Institutes of Ontario. for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 41.... Report of the Women's Institutes of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 42.... Report of the Poultry Institute of the Province of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

No. 43.... Report of the Agricultural Societies of Ontario, for the year 1909. Presented to the Legislature, 4th February, 1910. *Printed.*

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No. 44.... Report of the Horticultural Societies of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 45.... Report of the Bureau of Industries of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 46.... Report of the Inspectors of Factories of Ontario, for the year 1909. Presented to the Legislature, 10th March, 1910. *Printed.*

No. 47.... Report of the Temiskaming and Northern Ontario Railway Commission, for the year 1909. Presented to the Legislature, 27th January, 1910. *Printed.*

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No. 48.... Return to an Order of the House of the Twenty-first day of February, 1910, for a Return shewing: (*a*) What is the area of the Gillies Limit. (*b*) How much of the area has been reported to the Government to be mineralized. (*c*) How much of the area has been prospected. (*d*) How much of the area has been sold. (*e*) What are the dates of the respective sales, the amount sold in each case, the names of the purchasers and the prices obtained in each case. Presented to the Legislature, 9th March, 1910. Mr. *McDougal. Not Printed.*

No. 49.... Report of the Ontario Railway and Municipal Board, for the year 1909. Presented to the Legislature, 1st February, 1910. *Printed.*

No. 50.... A Return from the Records of the General and Subsequent Elections to the Legislative Assembly on the 8th day of June, 1908, shewing:— (1) The number of Votes Polled for each Candidate in each Electoral District in which there was a contest; (2) The majority whereby each successful Candidate was returned; (3) The total number of Votes Polled; (4) The number of Votes remaining unpolled; (5) The number of names on the Polling Lists; (6) The number of Ballot Papers sent out to each Polling Place; (7) The Used Ballot Papers; (8) The Unused Ballot Papers; (9) The Rejected Ballot Papers; (10) The Cancelled Ballot Papers; (11) The Declined Ballot Papers; (12) The Ballot Papers taken from Polling Places; (13) A General Summary of Votes cast in each Electoral District; (14) A similar statement as to any Elections held since the General Election. Presented to the Legislature, 26th January, 1910. *Printed.*

No. 51.... Report upon the Archives of the Province, for the year 1909. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 52.... Report of the Librarian on the state of the Library. Presented to the Legislature, 27th January, 1910. *Printed.*

No. 53.... Agreement and Contract with William Briggs, D.D., Book Steward of the Methodist Church, in connection with the Printing and Binding for the Legislative Assembly of Ontario. Presented to the Legislature, 26th January, 1910. *Printed.*

No. 54.... Agreement and Contract with E. H. Harcourt Company, Limited, in connection with the Binding, etc., for the Legislative Assembly of Ontario. Presented to the Legislature, 26th January, 1910. *Printed.*

No. 55.... Report of the Milk Commission appointed to enquire into the production, care and distribution of Milk. Presented to the Legislature, 21st February, 1910. *Printed*

No. 56.... Copies of Regulations and Orders in Council in the matter of Education, made pursuant to the provisions of 6 Edward VII., Cap. 52, Section 27, since the last Session of the Legislature. Presented to the Legislature, 27th January, 1910. *Not printed.*

No. 57.... Statement of the Auditor made pursuant to the provisions of Section 13, Sub-section 2, of the Audit Act as amended by Section 6, Chapter 10, 9 Edward VII. Presented to the Legislature, 27th January, 1910. *Printed.*

No. 58.... Return to an Order of the House of the Thirtieth day of March, 1909, for a Return shewing, during the past twelve months all permits to effect insurance in foreign unregistered Corporations, Insurers or Underwriters issued by the Insurance Registrar, under Section 86a of the Ontario Insurance Act, as amended by 2 Edward VII., Cap. 12, and 4 Edward VII., Cap. 15, and of all letters and applications in respect of which such permits were issued. Presented to the Legislature, 27th January, 1910. Mr. *Proudfoot. Not printed.*

No. 59.... Copies of Orders in Council in accordance with the provisions of Subsection 2 of Section 84 of the Surrogate Courts Acts, and Subsection 4 of Section 164 of the Land Titles Act. Presented to the Legislature, 3rd February, 1910. *Not printed.*

No. 60.... The Province of Ontario, Situation and Size, Climate, Products, Resources, Progress and Advantages. Presented to the Legislature, 4th February, 1910. *Printed for distribution only.*

No. 61.... Copy of an Order in Council under Sub-section 2 of Section 84 of the Surrogate Courts Act, authorizing payment of surplus surrogate fees to His Honour Judge Wismer, Junior Judge of the County Court of the County of Simcoe. Presented to the Legislature, 7th February, 1910. *Not printed.*

No. 62.... Return to an Order of the House of the Twenty-eighth day of January, 1910, for a Return: 1. Shewing the number of Licenses Granted to Fishermen in each of the following Districts in the years 1908 and 1909; (*a*) Lake Superior. (*b*) The Northern Channel of Lake Huron. (*c*) Georgian Bay. (*d*) Lake Huron and Lake St. Clair. (*e*) Lake Erie and Grand River. (*f*) Rivers St. Clair, Thames

and Detroit, and (*g*) Lake Ontario and Bay of Quinte. 2. The kind of License Granted to each Fisherman. 3. The cost of Licenses to each Fisherman of each of the above Districts. Presented to the Legislature, 7th February, 1910. Mr. *Proudfoot*. *Not printed.*

No. 63.... Rules and Regulations made by order of His Honour the Lieutenant-Governor in Council, for the carrying into effect the Succession Duty Act. Presented to the Legislature, 14th February, 1910. *Printed for distribution only.*

No. 64. .. Statement on the distribution of the Revised and Sessional Statutes, up to 31st December, 1909. Presented to the Legislature, 14th February, 1910. *Not printed.*

No. 65.... Return of an Order of the House of the Seventh day of February, 1910, for a Return shewing: 1. A copy of the advertisement calling for tenders for the printing, publishing and supply of "Ontario Readers"; 2. Copies of all tenders received; 3. Copies of correspondence between the Government of Ontario or any official thereof and any tenderer or tenderers; 4. A copy of the contract entered into on behalf of the Government for the printing, publishing and supplying of "Ontario Readers"; 5. A detailed statement of the cost to the Government of supplying to the publisher electro-plates for each reader. Presented to the Legislature, 28th February, 1910. Mr. *MacKay (Grey)*. *Not printed.*

No. 66.... Report upon Infant Mortality in the Province. Presented to the Legislature, 8th March, 1910. *Printed.*

No. 67.... Return to an Order of the House of the Sixteenth day of February, 1910, for a Return shewing: 1. The number of male teachers granted County Model School Certificates in the years 1906, 1907, 1908 and 1909, respectively. 2. The number of female teachers granted County Model School Certificates in the years 1906, 1907, 1908 and 1909, respectively. 3. The number of male teachers granted Normal School Certificates in the years 1906, 1907, 1908 and 1909, respectively. 4. The number of female teachers granted Normal School Certificates in the years 1906, 1907, 1908 and 1909, respectively. Presented to the Legislature, 8th March, 1910. Mr. *MacKay (Grey)*. *Not printed.*

No. 68.... Return of an Order of the House of the Fourth day of March, 1910, for a Return of Copies of the Reports relating to the cause of the fire in the Parliament Buildings. Presented to the Legislature, 9th March, 1910. Mr. *Elliott*. *Not printed.*

No. 69.... Return to an Order of the House, of the Twenty-second February, 1910, for a Return shewing: All awards by any Arbitrator or Board of Arbitration, to settle disputes between the Hydro-Electric Power Commission and those over whose lands the Commission have taken easements. Presented to the Legislature, 10th March, 1910. Mr. *Reed (Wentworth.)* *Not printed.*

No. 70.... Return to an Order of the House, of the Twenty-fifth day of February, 1910, for a Return shewing: The total amount paid for inspection

and overseeing work done on building Colonization Roads during the years 1908 and 1909. Presented to the Legislature, 10th March, 1910. Mr. *Proudfoot. Not printed.*

No. 71.... Return to an Order of the House, of the Twenty-fifth day of February, 1910, for a Return shewing: 1. The amount of Provincial Money (if any) loaned to Municipalities of the Province for Drainage purposes during each of the years 1904 to 1909, both inclusive. 2. The names of the Municipalities and the amount loaned to each in each of the said years. 3. The rate of interest charged the Municipalities, if other than four per cent. 4. The Special Grants (if any) given to Municipalities for Drainage Schemes during the said years, the names of the Municipalities to which given, and the amount given each. Presented to the Legislature, 10th March, 1910. Mr. *Stock. Not printed.*

No. 72.... Return to an Order of the House, of the Sixteenth day of February, 1910, for a Return shewing the number of permits and extensions granted to Public School Teachers during the years 1908 and 1909: 1. The reason for granting such permits and extensions. 2. How many of the teachers who received permits had previously taught. 3. The ages of the teachers who received such permits and extensions. Presented to the Legislature, 10th March, 1910. Mr. *Proudfoot. Not printed.*

No. 73.... Return to an Order of the House, of the Third day of March, 1910, for a Return shewing what steps (if any) the Canadian Northern Ontario Railway Company has taken towards the building of a section of the Railway into the clay belt of Northern Ontario in aid of which this House voted to the Company at its last Session a subsidy of four thousand acres of land for every mile of the Railway which may be constructed by the Company on certain conditions, among others that operations be commenced within one year from the date of the passing of the Act, April 13th, 1909. Presented to the Legislature, 10th March, 1910. Mr. *Johnson. Not printed.*

No. 74.... Report of the Bureau of Colonization, for the year 1909. Presented to the Legislature, 14th March, 1910. *Printed.*

No. 75.... Return to an Order of the House of the Twenty-fourth day of February, 1910, for a Return shewing: 1. The names of the gentlemen who compose the Commission for the Revision of the Statutes. 2. The total cost of the Revision to date, showing in detail, the persons to whom and on what account the money was paid. 3. When will the Statutes be completed. 4. What steps have the Government taken to induce or insist on the Commissioners completing their work at an early date. Presented to the Legislature, 15th March, 1910. Mr. *Proudfoot. Not printed.*

No. 76.... Return to an Order of the House of the Twenty-fifth day of February, 1910, for a Return shewing: 1. When was the resignation of the late Game Warden, T. A. Hand, accepted. Was it voluntary, or was he forced to resign. 2. What moneys had been collected by the said Hand and not accounted for or returned, and if Fishermen had fished and Hunters had hunted on receipts only given by the said Hand. If so, the amount of money unaccounted for and the number

of such receipts given and to whom, together with copies of all correspondence covering the matters referred to in this clause. 3. All correspondence in connection with the resignation of the said Hand. 4. All moneys collected by the said Hand during the years 1907 and 1908 and of all moneys collected by the present officer, A. Calbeck, during the year 1909, together with the names of the persons from whom the said collections were made. Presented to the Legislature, 15th March, 1910. Mr. *Proudfoot*. *Not printed.*

No. 77.... Return to an Order of the House of the Thirtieth day of March, 1909, for a Return shewing: 1. How often had the present Government been asked for permission to institute an action in cases where a fiat was necessary. 2. How often had such permission been granted. 3. In what cases. 4. How often was such permission refused. 5. In what cases. Presented to the Legislature, 15th March, 1910. Mr. *Elliott*. *Not printed.*

No. 78.... Return to an Order of the House of the Twenty-fifth of February, 1910, for a Return shewing: 1. How many Emigrants the Salvation Army brought out from Great Britain and Ireland during the season 1909. How many were male and how many female. 3. How many were placed in the homes of the farmers of the Province of Ontario. 4. The names and addresses of the farmers. Also shewing: 1. How many Emigrants the Government of this Province brought out from Great Britain and Ireland during the season of 1909. 2. How many male and how many female. 3. How many were placed in the homes of the farmers of the Province of Ontario. 4. The names and addresses of the farmers. Presented to the Legislature, 16th March, 1910. Mr. *Studholme*. *Not printed.*

REPORT

OF THE

Secretary and Registrar

OF THE

PROVINCE OF ONTARIO

FOR THE TEN MONTHS
ENDING 31st DAY OF OCTOBER

1909

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty
1910

Printed by
WILLIAM BRIGGS,
29-37 Richmond Street West.
TORONTO

To His Honour John Morison Gibson, a Colonel in the Militia of Canada, Etc., Etc., Etc.

Lieutenant-Governor of the Province of Ontario.

May it Please Your Honour:

The undersigned begs respectfully to present to Your Honour the Report prepared with respect to the chief transactions of the Department of the Secretary and Registrar of the Province of Ontario during the ten months ending 31st day of October, 1909.

W. J. HANNA,

Secretary and Registrar of the Province of Ontario.

Provincial Secretary's Office,

Toronto, March 1st, 1910.

REPORT

OF THE

SECRETARY AND REGISTRAR

OF THE PROVINCE OF ONTARIO

For the Ten Months ending October 31st, 1909.

PROVINCIAL SECRETARY'S OFFICE,

TORONTO, March 1st, 1910.

To the Honourable
WILLIAM JOHN HANNA, M.P.P.,
Secretary and Registrar of the Province of Ontario.

SIR,—I beg leave to submit the Annual Report of the Provincial Secretary's office for the ten months ending October 31st, 1909, showing details of the various services rendered by the office during that period.

The following table shows the fees as they were received month by month:

STATEMENT OF OFFICE FEES RECEIVED, BY MONTHS, 1909.

January	$28,223 60
February	30,926 20
March	25,844 95
April	20,518 10
May	16,559 80
June	18,069 50
July	14,424 60
August	15,106 20
September	20,650 00
October	18,714 85
Total	$209,037 80

STATEMENT OF SOURCE OF FEES RECEIVED DURING 1909.

Letters Patent, Licenses, etc	$171,695 80
Companies' Returns	17,388 50
Automobile Licenses and Renewals	12,418 75
Marriage Act Forms	3,603 50
Commissions under Great and Privy Seal	1,394 50
Certificates	147 75
By-Laws, Copies and Searches	2,389 00
Total	$209,037 80

NUMBER OF CHARTERS AND LICENSES ISSUED.

Year.	No. of Instruments.	Fees.
1892	158	$6,780
1893	138	8,465
1894	139	7,729
1895	174	10,000
1896	154	14,335
1897	358	34,650
1898	295	23,820
1899	416	60,817
1900	438	71,179
1901	450	75,782
1902	591	95,330
1903	578	107,166
1904	673	87,177
1905	828	108,621
1906	1,045	181,998.11
1907	1,067	227,312.90
1908	924	132,252.50
1909 (ten months)	828	171,695.80

Since the passing of the first Act respecting the operation of motor vehicles in the highways was passed the administration of the Act has been with the department. The following is a statement of the permits and renewals issued, and of the income received:—

———	1903	1904	1905	1906	1907	1908	1909 (10 mos.)
PERMITS ISSUED	230	535	553	1,176	1,530	1,754	2,452
To motors owned in Ontario	.....	.....	.....	517	550	589	1,020
To others	.....	.....	.....	659	980	1,165	1,432
RENEWALS GRANTED	.....	.....	.....	379	914	1,563	1,927
To motors owned in Ontario	.....	.....	.....	372	719	1,094	1,518
To others	.....	.....	.....	7	195	469	409
Receipts	.....	.....	.....	$5,523.15	$8,098.50	$10,007.75	$12,418.75

The usual Tables and Appendices accompany this Report.

All of which is respectfully submitted,

S. A. ARMSTRONG,

Assistant Secretary.

APPENDIX A.

List of Companies incorporated for the ten months of the year 1909, ending Oct. 31st.

Name of Company.	Capital.	Head Office.
A.	$	
The Ayr Rural Telephone Company, Limited	10,000	Ayr.
The American Appraisal Company, Limited	40,000	Toronto.
Automatic Electric, Limited	200,000	Toronto.
Art Wallpaper Shop, Limited	50,000	Toronto.
Austin, W. E. Company, Limited	100,000	Ottawa.
The Advance Printing Company Limited	20,000	Kemptville
The Acticolite Mining Company, Limited	100,000	Belleville.
Apsley Telephone Company, Limited	40,000	Apsley.
Algoma Lumber and Chemical Company, Limited	300,000	Toronto.
The Auto Tire Company, Limited	40,000	Toronto.
Alumni Mines Company, Limited	1,000,000	Ottawa.
The Alsop Process Company of Canada, Limited	100,000	Toronto.
The American Laundry Machinery Company, Limited	40,000	Toronto.
Appleford Counter Check Book Company, Limited	25,000	Hamilton.
American-Canadian Realty Company, Limited	40,000	Toronto.
The Auto Dustless Street Sweeper Company, Limited	40,000	Berlin.
The Aldrich Natural Gas and Oil Company, Limited	40,000	Selkirk.
Advance Power Company, Limited	200,000	Toronto.
The Alexandra Hotel Company, Limited	40,000	Toronto.
Argo Cobalt Mines, Limited	1,000,000	Toronto.
Armbrust Canadian Brake Shoe Company, Limited	100,000	Toronto.
Atlantic Silver Mines, Limited	40,000	Cobalt.
The Armac Press, Limited	40,000	Toronto.
Arcadia Silver Mining Company, Limited	1,000,000	Morrisburg.
The Advertising Novelty Manufacturing Company, Limited	100,000	Toronto.
Adams Tailoring Company, Limited	40,000	Toronto.
The Anglo-Canadian Type and Printing Machinery Company, Limited	500,000	Toronto.
The Armstrong Supply Company, Limited	40,000	Hamilton.
Allan Hills Edge Tool Company, Limited	100,000	Galt.
Anchor Manufacturing Company, Limited	100,000	Toronto.
Acton Publishing Company, Limited	150,000	Toronto.
B.		
Boyd-Gordon Mining Company, Limited	1,000,000	Toronto.
Batesse Mines, Limited	500,000	Toronto.
Bartram Brothers, Limited	20,000	Ottawa.
Blairton Iron Mines, Limited	40,000	Toronto.
Berna Motors and Taxicabs, Limited	500,000	Toronto
Ben Hur Truck Company, Limited	20,000	Hamilton.
Boston Portage Cobalt Silver Mines	40,000	Cobalt.
Bartlett Mines, Limited	4,000,000	Toronto.
The Brantford Foundry and Development Company, Limited	40,000	Brantford.
The Belden Sheaf and Hay Loader Company, Limited	150,000	Palmerston.
A. Bradshaw & Son, Limited	112,000	Toronto.
Bartlett, F. R. & Co., Limited	50,000	Toronto.
Bowers, H. L., Limited	40,000	Port Hope.
Black (The) John, Mining Company, Limited	1,500,000	Toronto.
The Boland-Thomson Silver Mining Company, Limited	1,000,000	Ottawa.
The Boeckh Bros. Company, Limited	250,000	Toronto.
Bailey, Dixon & Co., Limited	60,000	Toronto.
The Blakely Oil Company, Limited	25,000	Chatham.
Broadway Drug Company, Limited	40,000	Toronto.
Berkshire Mining Company, Limited	300,000	Haileybury.
The Berlin Table Manufacturing Company, Limited	40,000	Berlin.
Brown, Newton H., Limited	40,000	Toronto.
The Builders Supply Company, Limited	40,000	St. Catharines.
British Canadian Exploration and Mining, Limited	2,000,000	Toronto.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
Bryson-Graham, Limited	600,000	Ottawa.
The Bonsall Mines, Limited	3,000,000	Ottawa.
Bison Consolidated Mines, Limited	2,000,000	Haileybury.
Black Mines, Limited	2,000,000	Toronto.
Belmont Silver Mines of Kerr Lake, Limited	2,000,000	Toronto.
The Brigden Rural Telephone Company, Limited	40,000	Brigden.
The Beacon Mines, Limited	40,000	Cobalt.
Bruce Mines Saw Mill Company, Limited	60,000	Bruce Mines.
Bond and Realty, Limited	60,000	Toronto.
Beaches Athletic Association, Limited	40,000	Toronto.
Black and Muirhead, Limited	100,000	Fort William.
The Brinton Carpet Company of Canada, Limited	250,000	Peterborough.
Brantford Emery Wheel Company, Limited	40,000	Brantford.
The Bowman, Limited	30,000	Bowmanville.
The W. H. Baldwin Company, Limited	40,000	Toronto.
Brantford Steel Range Company, Limited	40,000	Brantford.
Bates and Innes, Limited	125,000	Carleton Place.
Brewster Mining Company, Limited	10,000	Toronto.
The Blind River Exploration and Mining Company, Limited	25,000	Blind River.
Builders Materials, Limited	40,000	Toronto.
The Black Rock Mines, Limited	2,000,000	London.
Berlin Bedding Company, Limited	40,000	Berlin.
The Battery Light and Power Company, Limited	150,000	Toronto.
Bradshaw's, Limited	50,000	Toronto.
F. N. Burt Company, Limited	1,500,000	Toronto.
Balmoral Hotel Company, Limited	40,000	Bowmanville.
Bookkeeping Machine, Limited	40,000	Toronto.
W. D. Beath & Son, Limited	100,000	Toronto.
The Britannia Silver Mines, Limited	3,000,000	Toronto.
The Barrie Malting and Extract Company, Limited	50,000	Barrie.
The Blind Trail Silver Mining Company, Limited	40,000	Toronto.
The Buffalo Gowganda Silver Mines, Limited	2,000,000	Toronto.
C.		
Cobalt National Mines, Limited	50,000	Toronto.
Canadian Art, Limited	25,000	Toronto.
The Couchiching Hotel Company, Limited	40,000	Orillia.
The Canadian Vault Company, Limited	50,000	Toronto.
The Canadian Automatic Transportation Company, Limited	1,000,000	Toronto.
The Cobalt Daily Nugget, Limited	30,000	Cobalt.
The Central Realty Company, Limited	50,000	Toronto.
Canadian Milk Products, Limited	300,000	Toronto.
The Cobalt Laguna Mining Corporation, Limited	300,000	Cobalt.
Cobalt Holding Company, Limited	200,000	Windsor.
Canadian Taximeters, Limited	40,000	Toronto.
Cobalt Electric Power Company, Limited	500,000	Toronto.
Cobalt-Wilber Mines, Limited	40,000	Toronto.
Cox, W. H., Coal Co., Limited	10,000	Toronto.
Cane (The), Wm., Sons Co., Limited	250,000	Newmarket.
Canadian Telegraphones, Limited	1,000,000	Toronto.
The Chatham Wrench Company, Limited	10,000	Chatham.
Carey Piano & Music Company, Limited	40,000	Hamilton.
Cobalt Delta Mining Company, Limited	40,000	Cobalt.
Canada Lawn Bowling Club, Limited	25,000	Toronto.
Cobalt Paymaster Mines, Limited	2,000,000	Toronto.
Crescent Silver Company, Limited	40,000	Toronto.
Consolidated Steamship Company, Limited	100,000	Port Arthur.
Canadian Dyers' Association, Limited	40,000	Toronto.
The Cobalt Commercial Mines, Limited	300,000	Toronto.
The Central Telephone Company, Limited	40,000	Altona.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
Canadian Leonard Construction Company, Limited	40,000	Toronto.
Cameron's Private Stock Company, Limited	40,000	Toronto.
The Cobalt Powder Company, Limited	40,000	Amherstburg.
Canadian Sheet Steel Corporation, Limited	750,000	Morrisburg.
Chapman and Walker, Limited	50,000	Toronto.
Clark, Limited	40,000	Toronto.
The Campbellford Curling and Bowling Association, Limited	25,000	Campbellford.
Cumberland Land Company, Limited	20,000	Hamilton.
The Cobalt Gowganda Consolidated Mining Company, Limited	40,000	Toronto.
Canadian Gowganda Silver Mines, Limited	100,000	Toronto.
The Crown Portland Cement Company, Limited	800,000	Wiarton.
Colonial Laundries, Limited	40,000	Toronto.
Canadian Sanitary Vending Machine Company, Limited	40,000	Toronto.
Canadian Provident Co-operative Society, Limited	50,000	Toronto.
The Cameron-Heap Company, Limited	100,000	Fort William.
Canadian-American Silver Mines, Limited	40,000	Toronto.
Collver, E., Company, Limited	40,000	Brampton.
Cummer-Dowswell, Limited	250,000	Hamilton.
Canadian Dayton Airless Tire Company, Limited	100,000	Toronto.
Cochrane Hardware, Limited	250,000	Sudbury.
Clawson Silver Mines, Limited	1,500,000	Toronto.
Crowe Manufacturing Company, Limited	40,000	Hamilton.
The Cambrian Mining and Development Company, Limited	1,000,000	Port Arthur.
Canadian Eatables, Limited	100,000	Toronto.
The Canadian Producer and Gas Engine Company, Limited	350,000	Barrie.
Cobalt Hardware Company, Limited	50,000	Cobalt.
The C. H. L. Keeler Company, Limited	40,000	Toronto.
The Canadia Northern Explorers, Limited	500,000	S. S. Marie.
The Catty Company, Limited	20,000	Toronto.
Canadian Contracts, Limited	100,000	Toronto.
The Cobalt Twins Silver Mining Company, Limited	2,000,000	Cobalt.
Campbell and Deyell, Limited	150,000	Cobalt.
The Chicago-Gowganda Mines Company, Limited	1,000,000	Toronto.
Chief Matash Mines Company, Limited	500,000	Toronto.
Canada Fruit Company, Limited	40,000	Grimsby.
Canadian Ferrosteel Company, Limited	40,000	Bridgeburg.
The Canadian Arsenic Company, Limited	500,000	Belleville.
Canadian Anilines and Chemicals, Limited	30,000	Toronto.
The Cobalt Star Mining Company, Limited	2,000,000	Haileybury.
The Canadian Treadwell Gold Mines Company, Limited	500,000	Matheson.
Crown Majestic Mines, Limited	1,000,000	Toronto.
Canadian Lumber Company, Limited	50,000	Hamilton.
The Colonial Transportation Company, Limited	100,000	Toronto.
Canada Pipe and Steel Company, Limited	100,000	Toronto.
D.		
The Diabase Silver Mines, Limited	1,250,000	Toronto.
Dufferin Gowganda Mines, Limited	1,000,000	Toronto.
Drapers, Limited	100,000	Toronto.
The Diamantina Placer Mines, Limited	500,000	Toronto.
Diamonds & Gold, Limited	2,000,000	Toronto.
Don Valley Brick Company, Limited	500,000	Toronto.
Dominion Silver Mines, Limited	2,000,000	Ottawa.
The Davey Leather Company, Limited	120,000	New Toronto.
Dominion Sugar Company, Limited	300,000	Berlin.
Daniels (The), C. J., Milling Company, Limited	40,000	Toronto.
Dixon, G. W., Engineers and Map, Limited	40,000	Cobalt.
The Dundas and Wapak Mining Company, Limited	40,000	Dundas.
Dominion Ostrich Feather Company, Limited	10,000	Toronto.
Dickison, Nicholson & Company, Limited	50,000	London.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
Detroit Mines, Limited	1,000,000	Toronto.
The Dunn Lumber Company, Limited	15,000	Waubaushene.
The Dunbar Lumber Company, Limited	40,000	Elk Lake.
Dennis & Company, Limited	40,000	Toronto.
The Dominion Milling Company	50,000	Dresden.
Drake-Avery Company, Limited	15,000	Hamilton.
Dreadnought Mines, Limited	1,000,000	Ottawa.
The Don Valley Paper Company, Limited	250,000	Toronto.
Diamond Cleanser, Limited	50,000	Ottawa.
The Dominion Electric Company, Limited	40,000	Ottawa.
Dominion Ores, Limited	250,000	Windsor.
The Dental Manufacturing Company, Limited	40,000	Toronto.
Doric Reserve Mines, Limited	1,500,000	Toronto.
F. D. De Sauza, Limited	40,000	Toronto.
The Delaware Cobalt Mining and Exploration Co., Limited	40,000	Toronto.
Dominion Tack and Nail Company, Limited	40,000	Galt.
The Doherty Manufacturing Co., of Toronto, Limited	75,000	Toronto.
Dwyer-Marchen, Limited	25,000	Ottawa.
The Dominion Trunk and Leather Goods Co., Limited	40,000	Toronto.
Dominion Metals, Limited	500,000	Toronto.
Dominion Register Company, Limited	125,000	Toronto.
Dominion Hardware, Limited	100,000	Toronto.
Dominion Produce and Cold Stores, Limited	150,000	Morrisburg.
Dominion Transportation Company, Limited	15,000	Toronto.
E.		
The Everett Mines, Limited	1,500,000	Toronto
Empire Fence Export Company, Limited	10,000	Walkerville.
Esperanza Syndicate, Limited	40,000	Toronto.
Emerald Lake Iron Company, Limited	10,000	Toronto.
The Ellis Silver Mining Company, Limited	1,000,000	Toronto.
The Ernestown Rural Telephone Company, Limited	15,000	Odessa.
The Erie Amusement Company, Limited	15,000	St. Thomas.
The Empire Realty and Securities Company, Limited	500,000	Toronto.
The Elgin Driving Association, Limited	20,000	St. Thomas.
The Empire Refining Company, Limited	200,000	Walkerville.
The Exhibition and Pleasure Park Company of Forest, Ltd.	5,000	Forest.
Eastern Construction Company, Limited	40,000	Toronto.
Electric Smelting and Power Company, Limited	4,000,000	Toronto.
The E. M. F. Company of Canada, Limited	400,000	Walkerville.
The Elk City Club, Limited	5,000	Elk Lake.
Electro Steel Company of Canada, Limited	100,000	Toronto.
F.		
The Frankford Cooperage Company, Limited	40,000	Frankford.
Filters, Limited	40,000	Toronto.
Fairplay Mining Company, Limited	500,000	Toronto.
Forsythe, Fraser & Weir, Limited	35,000	London.
The Farmer's Feed Company of Toronto, Limited	80,000	Toronto.
The Farm Press, Limited	40,000	Toronto.
Fort William Warehousing and Forwarding Co., Limited.	250,000	Fort William.
Forty-Six Mining Company, Limited	300,000	Haileybury.
Fountain Falls Electric Company, Limited	1,000,000	Toronto.
Fisher Produce Company, Limited	40,000	Toronto.
Foley Gold Mines Company, Limited	1,000,000	Fort Frances.
The Fingal Telephone Company, Limited	5,000	Fingal.
The Farmers Dairy Company, Limited	60,000	Toronto.
The Frontier Consolidated Mining Company, Limited	1,000,000	Haileybury.
The R. W. Fletcher Company, Limited	40,000	Toronto.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
Factory Lands, Limited	75,000	Welland.
The Finnish Building Company, Limited	40,000	Port Arthur.
J. A. French and Company, Limited	40,000	Toronto.
Frederic Hotel Company, Limited	60,000	Fort William.
Federal Engineering and Supplies, Limited	100,000	Toronto.
Fort William Coal Dock Company, Limited	50,000	Fort William.
Farrell and McCarthy, Limited	20,000	Toronto.
Fort Erie Land Company, Limited	40,000	Fort Erie.
The F. and L. Company, Limited	75,000	Toronto.
Forest Hill Land Company, Limited	50,000	Toronto.
The Fonthill Gravel Company, Limited	50,000	Thorold.
Financial Post, Limited	100,000	Toronto.
G.		
The Goodwin Lake Cobalt Mines, Limited	40,000	Cobalt.
Gow Ganda Centre Silver Mines, Limited	1,000,000	Toronto.
Gow Ganda City Silver Mines, Limited	1,000,000	Toronto.
Gow Ganda Premier Silver Mines, Limited	500,000	Toronto.
The Gordon Davies Company, Limited	40,000	Cobalt.
Gow Ganda Prince Silver Mines, Limited	1,000,000	Toronto.
The Gladstone Mines, Limited	1,000,000	Toronto.
Gow Ganda Transport Company, Limited	100,000	Toronto.
Gow Ganda Prospecting Company, Limited	10,000	Ottawa.
Gow Ganda Exploration Company, Limited	100,000	Toronto.
Guelph Cotton Mills, Limited	40,000	Guelph.
Gow Ganda and Montreal River Mines, Limited	1,000,000	Toronto.
Greene, The J. M. Music Company, Limited	75,000	Peterborough.
Gow Ganda Belle Mining Company, Limited	2,000,000	Toronto.
General Acoustic Company of Canada, Limited	25,000	Toronto.
Gow Ganda Native Silver Mining Company, Limited	1,000,000	Toronto.
Gow Ganda-Cobalt-Venture Corporation, Limited	2,500,000	Toronto.
Goodall, A. D., Company, Limited	40,000	Toronto.
Gow Ganda Elkhorn Mines, Limited	1,000,000	Chatham.
Greene Swift, Limited	250,000	London
The Galetta Woollen Mills Company, Limited	40,000	Arnprior.
The Golden Rose Mining Company, Limited	500,000	Sudbury.
Gloucester Trading Company, Limited	50,000	Ottawa.
Gale Manufacturing Company, Limited	130,000	Toronto.
General Construction and Dredging Company, Limited	300,000	Toronto.
Gow Ganda 4 Mining Company, Limited	1,000,000	Toronto.
The Gold Pyramid Mining Company of Larder Lake, Limited	1,000,000	Ottawa.
Geddes, The Wm., Company, Limited	50,000	Strathroy.
Gow Ganda Mine Producers, Limited	100,000	Toronto.
Guadiana Fruit Company, Limited	10,000	Toronto.
The Giroux Lake Cobalt Silver Mining and Milling Co., Ltd.	1,000,000	Toronto.
The Glenorchy Gold Mining and Development Company, Ltd.	500,000	Fort Frances.
Gow Ganda Reserve Mines, Limited	500,000	Cobalt.
The Gas Control Company, Limited	40,000	Toronto.
Geo. Gordon and Company, Limited	750,000	Cache Bay.
Grand River Country Club, Limited	40,000	Waterloo.
Great North Company, Limited	40,000	Toronto.
Graham Brothers, Limited	40,000	Port Arthur.
Guelph Oil and Gas Company, Limited	40,000	Guelph.
The Gas Central Company, Limited	40,000	Toronto.
Gas Journal, Publishers, Limited	40,000	Toronto.
H.		
Hearts of Wheat Company, Limited	20,000	Toronto.
Havilah Gold Mines, Limited	1,000,000	Sault Ste. Marie.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
The Huntsville Engine Works Company, Limited	40,000	Huntsville.
Household Economy Company, Limited	40,000	Toronto.
Hanging Stone Silver Mines, Limited	1,000,000	Toronto.
The Hudson Valley Cobalt Mines, Limited	40,000	Cobalt.
Hawley Walker, G., Limited	40,000	Toronto.
Hassan Mines Development Company, Limited	500,000	Ottawa.
Hammermill Pulp and Lumber Company, Limited	40,000	Toronto.
The Hastings Tanning Company, Limited	200,000	Berlin.
Hutchinson Menzie, Limited	40,000	Toronto.
Hamilton Apuarama, Limited	10,000	Hamilton.
The Hamilton Warehouse and Forwarding Company, Limited.	75,000	Hamilton.
Hotel Canada Company, Limited	50,000	Toronto.
Harvey, The B. F. Company, Limited	40,000	Toronto.
The Hanover Real Estate Company, Limited	40,000	Hanover.
Haileybury Frontier Mining Company, Limited	1,250,000	Haileybury.
The Hudson Bay Mines, Limited	3,500,000	New Liskeard.
The Hamilton Fabre Mining Company, Limited	2,000,000	Hamilton.
Hagersville Stone Company, Limited	40,000	Hagersville.
Home Outfitting Company, Limited	40,000	Hamilton.
Harman Mining and Leasing Company, Limited	500,000	Cobalt.
The Hazeldean Rural Telephone Company, Limited	30,000	Hazeldean.
The Hill Crest Mining Company of Cedar Lake, Limited	1,000,000	Toronto.
Huntz, Limited	50,000	Toronto.
High Falls Mining Company, Limited	2,000,000	Ottawa.
Hall Gow Ganda Mining and Development Company, Ltd.	1,000,000	Toronto.
Hampton Park, Limited	40,000	Ottawa.
Hudson Bay Tercentenary Motor Access Association, Ltd.	400,000	Toronto.
I.		
Irish & Maulson, Limited	250,000	Toronto.
The International Grain Shocker Company, Limited	40,000	New Liskeard.
The Imperial Cement Company, Limited	200,000	Owen Sound.
The International Mining and Information Exchange, Limited.	200,000	Toronto.
Imperial Vacuum Machinery Company, Limited	40,000	Brantford.
The Invincible Renovator Manufacturing Company, Limited	100,000	Toronto.
Imperial Jewellery Company, Limited	40,000	Toronto.
I.O.O.F. Temple, Limited	95,000	Hamilton.
Italian National Club, Limited	40,000	Toronto.
The International Motor Car Company, Limited	75,000	Toronto.
The Imperial Liquor Company, Limited	40,000	Port Arthur.
The Imperial Motor Car Company, Limited	500,000	Toronto.
J.		
Jackson (The), W. R. Company, Limited	40,000	St. Thomas.
The Jacksonian Manufacturing Company, Limited	40,000	Toronto.
James Bay Company, Limited	100,000	Toronto.
The Jones Hardware Company, Limited	11,000	Uxbridge.
K.		
Karn Morris Piano & Organ Company, Limited	1,000,000	Woodstock.
Kingsville Electric Light Company, Limited	20,000	Kingsville.
The Komoka Building Company, Limited	2,500	Komoka.
Kirkfield Portland Cement Company, Limited	250,000	Toronto.
The Kennedy Motor Car Company of Preston, Limited	40,000	Preston.
Kilmer, Pullen & Burnham, Limited	40,000	Toronto.
Kearns Ink, Limited	40,000	Toronto.
Kaiser Gold Mining Company, Limited	1,000,000	Windsor.
Dr. King Medicine Company, Limited	40,000	Toronto.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
L.	$	
Laurie Silver Mines, Limited	1,000,000	Toronto.
The Le Heup Mining Company, Limited	1,500,000	Toronto.
Luttrell Gold Separator Company, Limited	10,000	Woodstock.
Lemieux Silver Mining Company, Limited	1,000,000	Toronto.
The Langham Cobalt Mines, Limited	1,200,000	Ottawa.
Lee, Wm. T. & Sons, Limited	40,000	Owen Sound
The Lake Shore Country Club, Limited	100,000	Lorne Park.
Leach & Sons Company, Limited	40,000	Kemptville.
The Lang-Jodouin Trading Company, Limited	50,000	Elk Lake.
The Lake Coast Trading Company, Limited	40,000	Port Arthur
The Leighton Jackes Manufacturing Company, Limited	40,000	Toronto.
The Lauzon Lake Company, Limited	500,000	Toronto.
La Salle Mining Company, Limited	100,000	Toronto.
The Lanark and Drummond Cheese Company, Limited	40,000	Twp. Drummond
Logan-Cobalt Silver Mines, Limited	500,000	Midland.
Lang-Caswell Cobalt Mines, Limited	1,500,000	Toronto.
Larder City Townsite Company, Limited	40,000	Toronto.
Dr. Joseph Lister & Company, Limited	40,000	Windsor.
Linolite Company, Limited	40,000	Toronto.
Le Canadien, Limited	40,000	Windsor.
Le Roy Lake Silver Mines, Limited	1,200,000	Toronto.
Lawrence Brothers, Limited	40,000	Kingston.
The Leather Label Overall Company, Limited	30,000	Walkerville.
C. A. Larkin Lumber Company, Limited	100,000	Toronto.
Latour Lake Mines, Limited	1,000,000	Cobalt.
The Lanark and Carleton Counties Telephone Co., Limited	5,000	Almonte.
Larder Lake Silver Mining Company, Limited	300,000	Toronto.
The Lemieux Telephone Company, Limited	4,000	Hay Bay.
Lorrain, Limited	1,500,000	Hamilton.
M.		
Martin Pump and Machine Company, Limited	40,000	Toronto.
Maylors, Limited	50,000	Forest.
The Mayflower Silver Mining Company, Limited	150,000	Haileybury.
Morris Piano Company, Limited	250,000	Listowel.
Montreal River "Silver King" Mines, Limited	2,000,000	Toronto.
McBurney Lumber Company, Limited	50,000	Toronto.
The Moore Print Shop, Limited	40,000	Toronto.
McGregor & McIntyre, Limited	300,000	Toronto.
The Mountain Lake Mining and Developing Co., Limited	500,000	Toronto.
The Marceline Company of Ontario, Limited	3,000	Toronto.
The McPhail & Wright Construction Company, Limited	50,000	Sault Ste. Marie.
MacDuff Mining Company, Limited	40,000	Milton.
Mexican Securities Company, Limited	250,000	Toronto.
Michigan Cobalt Mines Company, Limited	2,000,000	Windsor.
Motor Bus Company, Limited	2,000,000	Toronto.
The Maple Grove Cheese and Butter Company, Limited	25,000	Bernam.
Mann Mines, Limited	2,500,000	Toronto.
Metagami Mines, Limited	500,000	New Liskeard.
Muskoka Sand and Gravel Company, Limited	40,000	Toronto.
Montreal-Everett Lake Mining Company, Limited	1,500,000	Toronto.
Mortimer, William C., Company, Limited	40,000	Toronto.
Miller & Gowganda Mines, Limited	1,500,000	Toronto.
Montrose Cobalt Mining Company, Limited	1,000,000	Toronto.
McCabe Vacuum Air Cleaning System, Limited	25,000	Toronto.
Maple Leaf Portland Cement Company, Limited	150,000	Toronto.
The Martin Marine Life Saving Devices, Limited	1,000,000	Toronto.
McDougal & Evans, Limited	100,000	Owen Sound.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
The McRae Downey Prospecting Company, Limited	100,000	Elk Lake.
The Malouf Mines, Limited	200,000	Haileybury.
Mining E. T. Company, Limited	1,000,000	Toronto.
Motor Owners Federation, Limited	40,000	Bridgeburg.
Mozart Piano Company, Limited	10,000	Toronto.
Mines Holding Company, Limited	25,000	Cobalt.
McBrien Manufacturing Company, Limited	40,000	Toronto.
McKay Bros., Limited	40,000	Toronto.
The Meyersburg Cheese and Butter Mfg. Co., Limited	3,000	Meyersburg.
The Mascot Mining Company, Limited	500,000	Toronto.
Moyneur, J., Limited	40,000	Ottawa.
Magna Canadian Silver Mines, Limited	1,000,000	Haileybury.
Montreal River Navigation Company, Limited	40,000	Cobalt.
Merida Mines Company, Limited	500,000	Toronto.
Mason, Geo. M., Limited	100,000	Ottawa.
McDonald Feldspar Company, Limited	40,000	Toronto.
The MacKay, J. C., Mines, Limited	100,000	Toronto.
The Muskoka Lakes Estate Company, Limited	30,000	Toronto.
The Monk Rural Telephone Company, Limited	30,000	Carp.
The Manitou Land Company, Limited	100,000	Sault Ste. Marie.
Montreal-James Mines of Ontario, Limited	40,000	Toronto.
Millerette Silver Mining Company, Limited	500,000	Elk Lake City.
Morton Silver Mining Company, Limited	700,000	Toronto.
Miller Flatstone Mines, Limited	2,000,000	Toronto.
The Muskoka Lakes Lumber Company, Limited	75,000	Gravenhurst.
Montrose Paper Mills, Limited	150,000	Toronto.
The Murrant Vandervoort Business College, Limited	40,000	Toronto.
Mapes Johnston Mining Company, Limited	1,000,000	Toronto.
Metropolitan Securities Corporation, Limited	100,000	Toronto.
McQuarries, Limited	40,000	Toronto.
The Midland Times Printing Company, Limited	10,000	Midland.
The Maywell Manufacturing Company, Limited	40,000	Toronto.
The Masonic Temple Association of Goderich, Limited	40,000	Goderich.
A. Matthews, Limited	30,000	Toronto.
The McAlpine Richardson Company, Limited	40,000	Toronto.
The Massey Lumber Company, Limited	250,000	Pembroke.
Michigan Optical Company, Limited	20,000	Toronto.
The Merlin Manufacturing Company, Limited	10,000	Fletcher.
The Mettawas Company, Limited	200,000	Kingsville.
John Mills, Limited	40,000	London.
McNaughton Silver Mine, Limited	2,000,000	Hamilton.
Morrisburg Tack Manufacturing Company, Limited	40,000	Morrisburg.
Melrose Realty Company, Limited	200,000	Toronto.
N.		
Newfoundland Marble Company, Limited	100,000	Toronto.
North American Silver Mining Company, Limited	2,000,000	Toronto.
The Nasmith Baking Machine Company, Limited	100,000	Toronto.
The Northern Dredging Company, Limited	199,000	Durham.
National Iron Works, Limited	200,000	Toronto.
Northern Canada Supply Company, Limited	100,000	Cobalt.
Northumberland Pulp Company, Limited	100,000	Campbellford.
National Equipment Company, Limited	40,000	Toronto.
Novelty Stamping Works, Limited	60,000	Toronto.
Nelles Insurance Agency, Limited	40,000	London.
The New Empire Wall Paper Company, Limited	50,000	Toronto.
North British Mining Company, Limited	1,000,000	Toronto.
National Realty Company, Limited	40,000	Toronto.
North Western Gas Company, Limited	500,000	Toronto.
The Niagara Falls Amusement Company, Limited	20,000	Niagara Falls.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
The Niagara Electric Construction Company, Limited	100,000	Niagara Falls.
The Northern Mining Company, Limited	100,000	Ottawa.
The New Liskeard Curling Association, Limited	40,000	New Liskeard.
The North Huron Telephone Company, Limited	10,000	Wingham.
The Nickle Plate Stove Polish Company, Limited	20,000	Windsor.
Nicoll Casing Company, Limited	100,000	Toronto.
Nelson Cobalt Silver Mines, Limited	750,000	Cobalt.
The North Toronto Golf, Bowling and Tennis Club, Limited	25,000	North Toronto.
The Nanticoke Natural Gas Company, Limited	3,000	Nanticoke.
Niagara Brand Spray Company, Limited	40,000	Burlington.
New Glasgow Telephone Company, Limited	10,000	Aldborough
O.		
Ontario Mining Agency, Limited	40,000	Toronto.
The Ontario Mercantile Company, Limited	40,000	Otterville.
Ogden Wilson Company, Limited	130,000	Toronto.
Ontario Gowganda Cobalt Consolidated Co., Limited	40,000	Toronto.
Ottawa Typewriter Company, Limited	40,000	Ottawa.
The O'Kelley Mines, Limited	5,000,000	Toronto.
Ontario Sanitary Manufacturing Company, Limited	40,000	Windsor.
The Ontario Lime Association, Limited	50,000	Toronto.
Oil and Gas Producers, Limited	1,000,000	Hamilton.
The Ontario Seed Company, Limited	40,000	Waterloo.
The Orr Plating and Manufacturing Company, Limited	40,000	Toronto.
The Ontario Consolidated Mines, Limited	350,000	Toronto.
The Ornamental Galvanized Iron Mfg. Co., Limited	50,000	Toronto.
The Ontario Silverfields, Limited	1,000,000	Toronto.
The Ottawa Gowganda Mining Company, Limited	500,000	Ottawa.
The Oro Telephone Company, Limited	20,000	Hawkstone
Oxford Golf and Country Club, Limited	10,000	Woodstock
Ontario Sulphur Mines, Limited	1,000,000	Toronto.
The Obushkong Mines, Limited	250,000	Haileybury.
The Ontario Bennett Tunnel Machine Company, Limited	500,000	Galt.
The Ore Chimney Mining Company, Limited	600,000	Fort Erie.
P.		
Producer Gas Construction Company, Limited	200,000	Toronto.
Permanent Cobalt Mines, Limited	1,000,000	Toronto.
Pioneer Cobalt Silver Mining Company, Limited	1,000,000	Toronto.
The Perfect Skewer Company, Limited	40,000	West Toronto.
Purity Ware, Limited	400,000	Toronto.
Powell Lumber and Door Company, Limited	50,000	Toronto.
Planut, J. M., Limited	20,000	Renfrew.
Peat, James & Sons, Limited	40,000	Petrolea.
The Parry Sound Mica Felspar Company, Limited	100,000	Toronto.
Pitner Gasoline Lighting Company, Limited	75,000	Toronto.
Palace Hotel Company, Limited	250,000	Toronto.
The Plumbing and Engineering Supply Company, Limited	200,000	Fort William.
The Prince Edward Wellington Hotel Company, Limited	40,000	Wellington.
The Pollock Manufacturing Company, Limited	40,000	Berlin.
The Pelee and Lake Erie Navigation Company, Limited	40,000	Pelee Island.
Peerless Publications, Limited	40,000	Toronto.
Piano Action & Supply Company, Limited	100,000	Toronto.
The Plymouth Silver Mining Company, Limited	40,000	Cobalt.
The Prospectors' Exploration and Development Co., Limited	350,000	Toronto.
The Peerless Heater Company, Limited	40,000	Toronto.
Parke, Limited	40,000	Toronto.
Pembroke Woolen Mills, Limited	50,000	Pembroke.
Publicity, Limited	60,000	Toronto.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
Palace Pool, Billiard and Bowling Club, Limited	15,000	Guelph.
Purvis, James M., Company, Limited	40,000	Toronto.
The Preston Co-operative Association, Limited	20,000	Preston.
Q.		
The Queen City Hotel Company, Limited	40,000	Toronto.
Queen City Glass Company of Toronto, Limited	40,000	Toronto.
R.		
Rudd Paper Box Company, Limited	60,000	Toronto.
The Romo Company, Limited	25,000	Toronto.
Ryerson Bros., Limited	50,000	Brantford.
The Rixon, Ainslee, Stoddart Company, Limited	200,000	Owen Sound.
Rondeau Gas and Oil Company, Limited	100,000	Kingsville.
Ryan Gowganda Mining Company, Limited	1,000,000	Toronto.
The Rochester Lithograph Company, Limited	50,000	Ottawa.
Rubicon Silver Mining Company, Limited	500,000	Toronto.
Reilly Mining Corporation, Limited	1,000,000	Toronto.
The Reid Press, Limited	100,000	Hamilton.
Richardson, J. S., Company, Limited	50,000	Tilbury.
Roessel, Louis & Co., Limited	100,000	Toronto.
The Rideau Canal Sand Company, Limited	25,000	Ottawa.
Red Willow Coal Company, Limited	1,000,000	Toronto.
The Rosehill Silver Mining Company, Limited	40,000	Toronto.
The Russell Trading Company, Limited	40,000	Russell.
Riverdale Estates, Limited	75,000	Ottawa.
The Reliance Silver Mines, Limited	1,500,000	Toronto.
The Right of Way Mines, Limited	2,000,000	Ottawa.
Rosedale Land Company, Limited	250,000	Toronto.
Ridgetown Fuel Supply Company, Limited	60,000	Ridgetown.
The Randall Grape Juice Company, Limited	40,000	Grimsby.
S.		
The Susquehanna Mining Company, Limited	30,000	Niagara Falls.
The Saville Prospecting and Exploration Company, Limited	500,000	Toronto.
The Sinclair & Valentine Company of Canada, Limited	50,000	Toronto.
Superior Manufacturing Company, Limited	40,000	Toronto.
The Swain Drug Company, Limited	10,000	Toronto.
Stockwell, Henderson & Co., Limited	50,000	Toronto.
Southam Press, Limited	350,000	Toronto.
The St. Catharines Exploration and Prospecting Co., Limited	40,000	St. Catharines.
Sarjeant & King, Limited	40,000	Barrie.
The Siemon Company, Limited	1,000,000	Toronto.
Sleeman & Sons, Limited	200,000	Guelph.
Scarboro Athletic Grounds, Limited	40,000	Toronto.
St. Anthony Prospecting, Developing & Mining Co., Ltd.	500,000	Cobalt.
Silver Eagle Mining Company, Limited	1,000,000	Toronto.
Sanders & Bell, Limited	40,000	St. Thomas.
The South Lorrain Silver Mining Company, Limited	50,000	Haileybury.
Sturgeon Lake Gold King Mining & Development Co., Ltd.	200,000	Fort William.
The Standard Combination Motor Rim Company, Limited	100,000	Toronto.
St. Lawrence Paper Mills, Limited	150,000	Cornwall.
Scoley, E. K. and Company, Limited	25,000	Toronto.
The St. Catharines Ice & Fuel Company, Limited	40,000	St. Catharines.
The Stanworth Martin Stove Company, Limited	40,000	Port Arthur.
The Silver-Tunnel Mining Company, Limited	1,500,000	Toronto.
The Sarnia Northern Ontario Min. and Dev. Co., Ltd	750,000	Sarnia.
The Silver Belt Telephone Company, Limited	40,000	Elk Lake.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
	$	
St. Clair Construction Company, Limited	40,000	Toronto.
Slate River Valley Co-operative Association, Limited	40,000	Slate Riv. Valley
The Serpent River Logging Company, Limited	25,000	Massey.
The Savoy Athletic Club, Limited	5,000	Brantford.
The Severn Power Company, Limited	150,000	Toronto.
Stinson, Brodie, Ring & Company, Limited	40,000	Toronto.
Superior Steel Company, Limited	250,000	Toronto.
The Stanley Beach Casino Company, Limited	12,200	St. Thomas.
The Silver Streak Mining Company, Limited	40,000	Toronto.
Steel Reesor Company, Limited	60,000	Toronto.
The Scotland Woollen Mills Company, Limited	100,000	Toronto.
The Silver Age Mining Company, Limited	1,000,000	Toronto.
The Sarnia-Nipissing Lumber Company, Limited	40,000	Sarnia.
The Saskatoon Piano Company, Limited	50,000	Guelph.
The Star Manufacturing Company, Limited	50,000	Toronto.
The Springbank Telephone Company, Limited	10,000	Fordwich.
The Schuster Company, Limited	30,000	Belleville.
Steele, James, Limited	50,000	Guelph.
Sault Stationers, Limited	40,000	Sault Ste. Marie.
Storage and Transfer Company, Limited	40,000	Hamilton.
The Strong Mines, Limited	20,000	Cobalt.
The Signal Printing Company, Limited	15,000	Goderich.
The Shaw Magnetic Sand Steel Company, Limited	120,000	Toronto.
The Sault Ste. Marie Drydock and Shipbuilding Co., Ltd.	1,000,000	Sault Ste. Marie.
St. Thomas Business College, Limited	40,000	St. Thomas.
The Spiesz Furniture Company, Limited	60,000	Hanover.
Seymour Arm Fruit Lands, Limited	40,000	Walkerville.
Securities, Limited	500,000	Toronto.
St. Clements College, Limited	40,000	North Toronto.
Silver Lake Queen, Limited	600,000	Toronto.
Sutherland Cobalt Silver Mines, Limited	1,000,000	Toronto.
Silver Lake Helena Mining Company, Limited	1,000,000	Toronto.
The Sydenham Club, Limited	40,000	Owen Sound.
Silver Country Mines, Limited	1,000,000	Toronto.
Soo Falls Brewing Company, Limited	350,000	Sault Ste. Marie.
The Solo Saw Company, Limited	20,000	Ottawa.
The W. Scott Company, Limited	40,000	Peterboro.
Standard Supplies, Limited	20,000	Ottawa.
Slate River Valley Association, Limited	40,000	Slate Riv. Valley.
The Scotland Onion Growers and Farmers Co-operative Association, Limited	5,000	Scotland.
The Standard Engineering Company, Limited	40,000	Toronto.
A. T. Short, Limited	40,000	Cobalt.
Silver Falls Mines, Limited	1,000,000	Niagara Falls.
The Seville Cheese and Butter Company, Limited	5,000	Tp. of Malahide.
Special Tailors, Limited	40,000	Peterboro.
J. D. Saunby Milling Company, Limited	40,000	London.
The Sudbury Construction and Machinery Co., Limited	40,000	Sudbury.
The Silver Cliff Mines, Limited	2,000,000	Ottawa.
The Sterling Electric Supply Co., Limited	25,000	Toronto.
Stronglike Box Company, Limited	35,000	London.
The Seaforth Milling Company, Limited	100,000	Seaforth.
The Sterling Mines, Limited	3,000,000	Ottawa.
Securities, Limited	100,000	Toronto.
Silver Grant Mining Company, Limited	2,000,000	Haileybury.
Stewart, Smiley & Company, Limited	20,000	Port Arthur.
The Simcoe Creamery Company, Limited	300,000	Barrie.
The Stratford Carriage and Motor Company, Limited	100,000	Stratford.
Sturgeon River Lumber Company, Limited	50,000	Hamilton.
Sagdola Silver Syndicate, Limited	100,000	Toronto.
The South Leeds and Pittsburgh Rural Telephone Co., Ltd.	15,000	Gananoque.
Slaven's Drug Store, Limited	40,000	Orillia.
The Silver Wave Mines, Limited	1,000,000	North Bay.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Capital.	Head Office.
T.		
	$	
Temagami Reserve Mines, Limited	1,000,000	Toronto.
Toronto Wadding Co., Limited	40,000	Toronto.
Toronto Silk Mills, Limited	40,000	Toronto.
The Thamesville Telephone Company, Limited	10,000	Thamesville.
The Textile Trimming Company, Limited	40,000	Toronto.
Thompson Manufacturing Company, Limited	250,000	Toronto.
Thompson, T. I., Limited	40,000	Owen Sound.
The Tilbury Telephone Company, Limited	40,000	Tilbury.
The Thornbury Transportation and Reduction Co., Limited	500,000	Thornbury.
The Tara Hotel Company, Limited	5,000	Tara.
Toronto Box Barrel Company, Limited	50,000	Toronto.
Tucker, Limited	40,000	Belleville.
The Toronto Mica Company, Limited	40,000	Toronto.
The Tungstolier Company of Canada, Limited	40,000	Toronto.
The Toronto Paper Box Company, Limited	20,000	Toronto.
Tee Arr Mining Company, Limited	1,000,000	Toronto.
Tobin Arms Manufacturing Company, Limited	100,000	Woodstock.
The Thornhill Mineral Springs, Limited	50,000	Thornhill.
W. J. Taylor, Limited	50,000	Woodstock.
Tudhope Silver Mines, Limited	1,000,000	Haileybury.
Tuttle & Bailey Manufacturing Co. of Canada, Limited	40,000	Brigeburg.
The Toronto Auction Mart, Limited	40,000	Toronto.
The Tallon Mining Company, Limited	1,000,000	Haileybury.
Thompson Gowganda Mining Company, Limited	500,000	Toronto.
Textile and Cordage, Limited	100,000	Owen Sound.
Taxicab Company of Toronto, Limited	40,000	Toronto.
U.		
United States Silver Mines, Limited	1,000,000	Windsor.
The Union Manufacturing Company, Limited	40,000	Toronto.
United Heat, Light and Power Company, Limited	100,000	Goderich.
Underhill & Sisman, Limited	200,000	Aurora.
Union Mining and Transport Company, Limited	40,000	Toronto.
The Union Realty Company, Limited	50,000	Brantford.
Union Fuel Supply Company, Limited	500,000	Sarnia.
V.		
Vitæ-Ore Company, Limited	2,500	Toronto.
The Victoria Creek Gold Mines, Limited	200,000	Toronto.
Victor Silver Mines, Limited	2,000,000	Toronto.
The Vermilion River Copper Company, Limited	50,000	Sudbury.
W.		
The Waste Products Refining Company, Limited	35,000	West Toronto.
Watt Hose and Pipe Coupling Manufacturing Co., Ltd.	100,000	Woodstock.
The Western Dry Dock and Shipbuilding Company, Limited	1,000,000	Toronto.
Welcome Silver Mines, Limited	40,000	Toronto.
Weber, I. S. K., Company, Limited	100,000	Berlin.
Woodland, J. M., Company, Limited	50,000	Toronto.
Walsh Neil and Company	50,000	Toronto.
Wickett, Jas. A., Limited	40,000	Toronto.
Welland Stove Works, Limited	40,000	Welland.
The White Company, Limited	40,000	Toronto.
Welland Tin Plate and Sheet Company, Limited	150,000	Welland.
The Wizard Furnace Company, Limited	100,000	Toronto.
The Wormwith Piano Company, Limited	100,000	Kingston.

List of Companies incorporated for the ten months of the year 1909, ending October 31st.—*Concluded.*

Name of Company.	Capital.	Head Office.
	$	
Weber Bros., Limited	100,000	Berlin.
White Bay Timber and Pulp Company, Limited	250,000	Toronto.
Weaver, F. P., Coal Company, Limited	40,000	Toronto.
Willet Silver Mines, Limited	2,000,000	Toronto.
Whaley-Coughlin Company, Limited	40,000	Toronto.
Wigmore Gold Mines of Sturgeon Lake, Limited	500,000	Toronto.
Wood, Hew. R., Limited	40,000	Toronto.
White Reserve Mines, Limited	2,500,000	Toronto.
The Western Liquor Company, Limited	40,000	Walkerville.
Welland Glass Manufacturing Company, Limited	350,000	Welland.
Wolford Rural Telephone Company, Limited	10,000	Easton's Corners
T. Woodbridge and Company, Limited	40,000	Toronto.
The Waugh Register & Account Systems Company, Limited	40,000	Port Arthur.
Waldman Silver Mines, Limited	2,500,000	Toronto.
Wealthy Mines, Limited	1,000,000	North Bay.
The Wroxeter Rural Telephone Company, Limited	10,000	Wroxeter.
White Bear Lake Silver Mining Company, Limited	2,000,000	Toronto.
Winona Fruit Growers, Limited	40,000	Winona.
Windsor Superior Manufacturing Company, Limited	40,000	Windsor.
E. B. Wood Cobalt Mines Company, Limited	40,000	Cobalt.
Wyandoh Silver Mines, Limited	3,000,000	Toronto.
The Woltz Moulding Manufacturing Company, Limited	20,000	Toronto.
Wilton Realty Company, Limited	200,000	Toronto.
Walkerville Light & Power Company, Limited	25,000	Walkerville.
Wahnapitae Cobalt Silver Mines, Limited	750,000	Toronto.
The Woelfle Chair Company, Limited	50,000	Chesley.
The Wheat Sheaf Hotel Company, Limited	50,000	Toronto.
The Welland of St. Catharines, Limited	100,000	St. Catharines.
Watkins, Thomas C., Limited	250,000	Hamilton.
Y.		
The York Recreation Club, Limited	40,000	Toronto.
Yonge Street Realty Company, Limited	40,000	Toronto.
The Youngstown Mining Company, Limited	750,000	Toronto.

APPENDIX B.

List of Companies whose Powers were extended for the ten months of the year 1909, ending October 31st.

Name of Company.	Date.
A.	
American Securities Company, Limited	30th October.
B.	
The Brandon Shoe Company, Limited	22nd February.
F.	
Fairbairn, Rhys D., Limited	25th January.
G.	
The Gavin Hamilton Mining Company, Limited (25% commission).	15th June.
H.	
Holt Timber Company, Limited (to keep its books without Province of Ontario).	13th April.
J.	
The Jessie Fraser Copper Mining Company, Limited (25% commission).	25th March.
K.	
Keeley Mines, Limited (authorizing the re-division of shares).	10th September.
M.	
The Mount Royal Cobalt Silver Mining Company, Limited (to keep its books outside the Province of Ontario).	10th February.
O.	
Otisse-Currie Consolidated Silver Mines, Limited (to keep its books without Province of Ontario).	24th March.
The Ontario Nickel Company, Limited (to convert Preferred Stock into Common Stock).	14th September.
S.	
The Silver Leaf Mining Company, Limited (to hold meetings outside the Province of Ontario).	14th September.
The Simcoe Company, Limited (extending the powers).	26th June.
T.	
The Trinity Cobalt Mining Corporation, Limited (to hold meetings outside the Province of Ontario).	25th January.
U.	
United Factories, Limited	24th February.
W.	
The Wallaceburg Sugar Company, Limited (to manufacture land fertilizers, etc.).	5th February.
The Welland of St. Catharines, Limited (confirming a by-law creating Preference Stock).	21st October.

APPENDIX C.

List of Companies whose Capital was Increased or Decreased for the ten months of the year 1909, ending October 31st.

Name of Company.	From	To	Date.
A.			
	$	$	
Alexandra Company, Limited	250,000	500,000	18th January.
The Asbestos Manufacturing Company, Limited.	25,000	1,000,000	30th September.
Alexandra Land Company, Limited	175,000	500,000	30th August.
B.			
The Brantford Carriage Company, Limited	100,000	200,000	11th January.
Brennen (The), M. & Sons Manufacturing Company of Hamilton, Limited	100,000	150,000	6th January.
Bongard, C. W., Company, Limited	40,000	100,000	23rd March.
Beaver Consolidated Mines	1,500,000	2,000,000	7th April.
Brooks Hudson Silver Mining Company, Limited	500,000	1,500,000	20th March.
Blenheim and South Kent Telephone Company, Limited	10,000	50,000	30th April.
Butterworth & Company, Limited	100,000	60,000	25th June.
C.			
The City of Cobalt Mining Company, Limited	500,000	1,500,000	7th January.
The Crown Jewel Mines, Limited	350,000	1,000,000	5th March.
Canada Pine Lumber Company, Limited	150,000	200,000	6th January.
The Columbus Cobalt Silver Company, Limited.	450,000	600,000	15th March.
Clarke, A., Rand Company, Limited	100,000	200,000	24th March.
The Cukra Company of Toronto, Limited	325,000	400,000	14th April.
The Canadian Shredded Wheat Company, Ltd.	100,000	250,000	3rd May.
Caledon Telephone Company, Limited	10,000	100,000	6th May.
The Cobalt Light, Power and Water Co., Ltd.	10,000	150,000	17th March.
The Conn Telephone Company, Limited	1,500	10,000	15th June.
Central Milling Company of Peterborough, Limited	40,000	100,000	23rd September.
Central Electric and School Supply Company of Toronto, Limited	48,000	148,000	23rd June.
The Canadian Axminster Company, Limited	75,000	150,000	29th October.
D.			
The Delany and Pettit Sand Paper Company, Limited	50,000	100,000	15th March.
E.			
The Erie Telephone Company, Limited	10,000	50,000	22nd January.
The Educational Book Company of Toronto, Limited	200,000	250,000	11th March.
Elliott & Son, Limited	40,000	100,000	13th April.
Expanded Metal and Fire Proofing Company, Limited	100,000	250,000	27th April.
F.			
Fairbairn, Rhys D., Limited	50,000	300,000	25th January.
G.			
The General Distilling Company, Limited	600,000	800,000	6th July.
The Gendron Manufacturing Company of Ontario, Limited	150,000	300,000	28th July.

List of Companies whose Capital was Increased or Decreased for the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	From	To	Date.
H.			
	$	$	
Hyslop Brothers, Limited	40,000	100,000	5th April.
The Ham & Nott Company, Limited	100,000	200,000	3rd June.
J.			
James Mines, Limited	25,000	500,000	30th April.
K.			
The Keewatin Lumber Company, Limited	250,000	500,000	16th February.
L.			
Lehigh Portland Cement Company, Limited	1,000,000	1,500,000	5th May.
Lever Brothers, Limited	1,500,000	2,000,000	12th July.
M.			
The Muskoka Rivers Improvement Company, Limited	8,000	1,000	31st March.
The Mountain View Ranching Company, Limited	50,000	75,000	11th March.
Miller Lake and Everett Mines, Limited	100,000	204,081	11th May.
McLean, Stinson & Brodie, Limited	40,000	100,000	20th July.
The Magnetawan Tanning and Electric Company, Limited	100,000	200,000	10th July.
N.			
The National Refining Company, Limited	20,000	50,000	24th June.
Theo. Noel Company, Limited	50,000	5,000	16th August.
O.			
The Ottawa and Suburban Realty Company, Limited	35,000	250,000	22nd January.
P.			
The Private Garage, Limited	10,000	40,000	22nd January.
R.			
Renfrew Journal Printing and Publishing Company, Limited	10,000	25,000	9th January.
Dr. Reddick Larder Lake Mines, Limited.	2,000,000	2,500,000	18th February.
The Rosedale Golf Association, Limited	1,500	100,000	1st March.
Ryan (Gowganda) Mining Company, Limited	1,000,000	1,500,000	16th April.
Rochester Cobalt Mines, Limited	1,000,000	1,500,000	30th September.
S.			
The Smith Manufacturing Co., Limited	40,000	100,000	29th January.
The Stratford Chair Company, Limited	60,000	150,000	5th March.
Stewart, Howe & Meek Company, Limited.	150,000	200,000	23rd September.
Silver Cross Cobalt Mining Co., Limited	500,000	1,000,000	23rd July.
The E. B. Shuttleworth Chemical Co., Limited	50,000	100,000	22nd July.

List of Companies whose Capital was Increased or Decreased for the ten months of the year 1909, ending October 31st.—*Concluded.*

Name of Company.	From	To	Date.
T.			
	$	$	
Temagami Reserve Mines, Limited	1,000,000	2,500,000	18th October.
The Transcontinental Silver Mines, Limited	200,000	600,000	24th August.
V.			
Vulcan Gold Mines, Limited	300,000	1,000,000	1st October.
W.			
The Wallaceburg Sugar Company, Limited	500,000	1,500,000	5th February.
The Warren Bituminous Paving Co. of Ontario, Limited	150,000	200,000	25th March.
The West Lorne Wagon Company, Limited	50,000	100,000	13th April.
Wilkinson, J. E., Company, Limited	40,000	250,000	20th April.
The Woodstock Gas Light Company, Limited	75,000	150,000	22nd January.
The Williams, Greene & Rome Company of Berlin, Limited	150,000	400,000	21st July.
Y.			
Young, A. J., Limited	100,000	500,000	13th January.

APPENDIX D.

List of Companies whose Capital was re-divided during the ten months of the year 1909, ending October 31st.

Name of Company.	Date.
G.	
Gifford Extension Mines, Limited	15th March.
N.	
Newfoundland Marble Company, Limited	29th March.
O.	
The Ontario Consolidated Mines, Limited	24th August.
R.	
The Russell Harvesting Machine Company, Limited	19th February.

APPENDIX E.

List of Companies whose names were changed during the ten months of the year 1909, ending October 31st.

From	To	Date.
A.		
The Ash Grove Mining Company, Limited	The Pain Killer Lake Gold Mining Company, Limited	5th April.
B.		
Brophy Umbrella and Suspender Company, Limited	Brophy Umbrella Co., Limited.	12th January.
C.		
Canadian Farm Products Company, Limited	Flavells Silverwood, Limited	22nd January.
Canadian Behrend Dry Concentrators, Limited	Behrend Concentrators, Limited	22nd March.
Chandler, Ingram & Bell, Limited	Ingram & Bell, Limited	1st May.
Caledon Telephone Company, Limited	The Consolidated Telephone Company, Limited	6th May.
Canadian Bowling Club, Limited	The Atheneum Bowling Club, Limited	4th October.
The Colonial Wall Paper Company, Limited	The Colonial Fixtures, Limited	14th October.
The Concrete Engineering and Construction Company, Limited	Cement Products, Limited	22nd September.
The Canadian National Carbon Company, Limited	The Canadian Carbon Co., Limited.	15th September.
F.		
Fairbairn, Rhys D., Limited	Fairbairn, R. D. Company, Limited	25th January.
G.		
The Griffiths-Dixon Company, Limited	Dixon-Wilson, Limited	29th January.
The Guelph Tailoring Company, Limited	Imperial Clothing Co., Limited.	26th March.
Garfunkel & Rottenberg Company, Limited	Gurofsky-Rottenberg, Limited.	13th August.
I.		
The Imrie Printing Company, Limited	Rous & Mann, Limited	29th March.
M.		
McIntosh-Gullett Company, Ltd	The McIntosh Granite Co., Limited.	5th February.
Mount Royal Consolidated Mines, Limited	Consolidated Silver Cobalt Mines, Limited	15th March.
McLean, Stinson & Company, Limited	McLean, Stinson & Brodie, Limited	7th April.
Muggley Concentrators, Limited	Northern Customs Concentrators, Limited	19th April.
Mayell & Co., Limited	Litster Pure Food Co., Limited.	27th April.
The McGregor Fruit Company, Limited	Custiss-Langdon, Limited	1st June.
Metropolitan Securities Corporation, Limited	Toronto Securities Corporation, Limited	1st October.

List of Companies whose names were changed during the ten months of the year 1909, ending October 31st.—*Concluded.*

From	To	Date.
N.		
North Star Larder Lake Mining Company, Limited	Calcite Lake Mining Company, Limited	20th May.
P.		
The Perth Woollen Company, Limited	Perth Felt Co., Limited	2nd March.
The Press Copy Bureau, Limited	The Press Agency Bureau, Limited	1st June.
Pioneer Cobalt Silver Mining Company, Limited	Prince-Davis Cobalt Mining Co., Limited	4th October.
Parry Sound Furniture Staples, Limited	The Niagara Veneer and Basket Co., Limited	27th January.
R.		
Real Estate Security Company of Toronto, Limited	The Real Estate Security Company, Limited	24th February.
Richardson, F. H. & Company, Limited	The Scarboro Securities, Limited	9th February.
S.		
The Standard Combination Motor Rim Company, Limited	The Doolittle Rim Company, Limited	29th March.
Silver Cross Cobalt Mining Co., Limited	Silver Cross Mines, Limited	23rd July.
Securities, Limited	United Securities Company, Limited	9th August.
T.		
The Taylor-Anderson Co., Limited	Taylor, Anderson, Southgate, Limited	17th May.
The Toronto Junction Lumber Co., Limited	Gibson, McCormack, Irvin Co., Limited	7th June.
Toronto Elks, Limited	The Simcoe Club, Limited	26th June.
The Toronto Lithographing Company, Limited	Stone, Limited	1st June.
W.		
Walker Steel Range Company, Limited	The Hall Zryd Foundry Company, Limited	25th January.
Warner-Gibson, Limited	Widespread Implement Company, Limited	16th February.
Y.		
Young (The), J. D. Company, Limited	Ontario Soap and Oil Company, Limited	26th April.

Appendix F.

List of Companies amalgamated during the ten months of the year 1909, ending October 31st.

Name of Company.	Capital.	Place.
The Sanitary Carpet Cleaner Company, Limited, and The Standard Contracting Company, Limited, under the name of The Standard Machine and Tool Company, Limited	$100,000	Toronto.
The John Black Mining Company, Limited, and The Black Mines, Limited, under the name of Black Mines Consolidated, Limited	3,000,000	Toronto.
The Wallaceburg Sugar Company, Limited, and Dominion Sugar Company, Limited, under the name of Dominion Sugar Company, Limited	1,500,000	Wallaceburg.

Appendix G.

List of Companies whose Charters were revoked during the ten months of the year ending October 31st.

Name of Company.	Date.
The York Riding and Driving Club, Limited	17th June.

Appendix H.

List of Companies whose Charters were surrendered during the ten months of the year 1909, ending October 31st.

Name of Company.	Date.
The Toronto Glove and Tanning Company, Limited	15th February.
The T. G. Rice Wire Manufacturing Company of Toronto, Limited	17th February.
Central Foundry, Limited	13th February.
The Ottawa East Water Company, Limited	29th March.
The Climax Gold Mine Company of Ontario, Limited	7th April.
The Ballantyne Dairy Supply Company, Limited	11th May.
The Brantford Hosiery Company, Limited	25th September
The Port Burwell Fish Company, Limited	19th July.
The Sweden Gold Mine Company of Ontario, Limited	27th April.
The Hanover Woollen Company, Limited	10th July.
The Fleming-Hutton Company, Limited	10th July.

APPENDIX I.

List of Companies authorized to issue Share Warrants during the ten months of the year 1909, ending October 31st.

Name of Company.	Date.
The Dufferin Cobalt Silver Mining Company, Limited	20th May.
The Shawinigan Carbide Company, Limited	13th April.
Big Pete Canadian Mines, Limited	22nd June.

APPENDIX J.

List of Companies Incorporated without Share Capital during the ten months of the year 1909, ending October 31st.

Name of Company.	Place.
The Northumberland Club	Cobourg.
The Sisters Adorers of the Precious Blood of Ottawa (or) Les Soeurs Adoratrises Du Precieux Sang d'Ottawa	Ottawa.
The Ontario Club	Toronto.
The Citizen's Band Association	Toronto.
Walkerville Boat Club	Walkerville.
The Whitney Club	Toronto.
Shomra Shabot Congregation	Toronto.
The Union Mission for Men	Ottawa.
The Industrial Cash Buyers' Union	Toronto.
La Societe Du Monument National d'Ottawa	Ottawa.
Les Soeurs Du Sacre Coeur	Ottawa.
The Young Men's Hebrew Association	Toronto.
Osborne Cheese and Butter Factory	Osborne.
The Centre and South Toronto Conservative Club	Toronto.
The Chesterville Cheese Factory Association	Winchester.
Dominican or Friar Preachers of Ottawa	Ottawa.
Pakenham Cheese and Butter Company	Twp. Pakenham.
The Arkona Dairy Company	Arkona.
The La Salle Club of Kingston	Kingston.
The University Club of Toronto	Toronto.
The Toronto Fruit, Produce and Provision Association	Toronto.
The Strathcona Hospital Corporation of Mount Forest	Mt. Forest.
Carleton Model Cheese & Butter Association	Twp. March.
Ellen Osler Memorial Home	Dundas.
Burgessville Fruit Growers' Association	Burgessville.
The Prince of Piemonte Italian Benevolent Society	Ft. William.
The Cobourg Horse Show Association	Cobourg.
The Stratford Bowling Club	Stratford.
The Dovercourt Assembly of the Society of Progress	Toronto.
The Alexandra Hospital, Ingersoll	Ingersoll.
The West End Creche	Toronto.
The Culross and Teeswater Cemetery Company	Teeswater.
The Cornwall Club	Cornwall.
The Toronto Golf Club	Toronto.
Wymondham House School	Toronto.
The Thessalon Branch of the Victorian Order of Nurses for Canada	Thessalon.
The Franklin Fishing Club	Toronto.
St. Michael's College Alumni Association	Toronto.
The Big Point Club	Big Point.
The District of Rainy River Library Association	Fort Frances.
Anshei-Starzow Congregation	Toronto.
Machziki Hadas Congregation	Toronto.
Lorne Park Cottagers' Association	Toronto.
The Women's Christian Temperance Union of St. Catharines	St. Catharines.
The Kinburn Cheese and Butter Association	Fitzroy.
London Health Association	London.

APPENDIX K.

List of Companies Licensed to do business in Ontario during the ten months of the year 1909, ending October 31st.

Name of Company.	Fee.	Where incorporated.	Attorney.
A.			
The Armstrong Trading Company, Limited	.....	Manitoba	Arthur John.
The Aspinwall Manufacturing Company	.....	Michigan	F. J. Winlow.
American Can Company	.....	New Jersey.....	R. M. Breckenridge.
The Abbott Alkaloidal Company.....	.....	Illinois	W. L. Wood.
B.			
The Butterick Publishing Company, Limited	$100 00	New York	L. C. Ross.
British American Mills and Timber Company, Limited.....	.....	Dominion	James McBride.
The Bow Centre Collieries, Limited..	.....	Dominion	A. W. Fraser.
C.			
The Canadian Stewart Company, Limited	....	Dominion	J. E. Swinbourne.
Canadian Potato Machinery Company, Limited	.....	Dominion	W. H. Schreiber.
The Canada Iron Corporation, Limited.	.....	Dominion	C. A. Masten.
Canadian Turpentine, Limited....	.....	Dominion	W. H. Allison.
Canadian Calculators, Limited. ..	.....	Dominion	R. G. Code.
Crescent Manufacturing Company, Limited	.....	Dominion	Geo. Kerr.
Consumers' Cordage Company, Limited	... .	Dominion	The Colonial Cordage Co., Limited.
Canada Cement Company, Limited	.....	Dominion	Strachan Johnston.
Canadian British Insulated Company, Limited	....	Dominion	G. R. Geary.
Canadian National Carbon Company, Limited	.....	Dominion	B. Osler.
Canadian Ensign Company, Limited	.....	Dominion	C. E. Anderson.
The Canadian Mineral Rubber Company, Limited	.. ..	Dominion	J. S. Lovell.
D.			
Dome Lode Development Company, Limited	.....	Dominion	Jas. Steller Lovell.
The Dominion Tar & Ammonia Company, Limited	.....	Dominion	John Bruce Keiller.
Dale & Company, Limited	.....	Dominion	Arthur Tucker.
Durango Land and Timber Company, Limited	....	Dominion	J. S. Lovell.
The Dominion Mercantile Protective Association, Limited	....	Dominion	S. E. Montgomery.
Delapenha, R. N. & Co.....	100 00	New Jersey.... .	H. G. Wookey.
Duncan Lithographing Company, Limited	.....	Dominion	G. J. Henderson.
Dominion Messenger & Signal Co., Limited	.....	Dominion	S. B. McMichael.
Dairy Lunch, Limited	....	Dominion	J. M. Bate.
E.			
Elgin Automobile Co., Limited....	.....	Dominion	J. R. Green.
Erindale Power Company, Limited	.....	Dominion	E. S. Edmonson.
East Tilbury (Canada) Oil Fields, Limited	.....	Great Britain ..	A. St. George Ryder.

List of Companies Licensed to do business in Ontario during the ten months of the year 1909, ending October 31st.—*Continued.*

Name of Company.	Fee.	Where incorporated.	Attorney.
F.			
The Frontier Press Company	$110 00	New York	Arthur C. Pratt.
Franco-American Hygiene Co.	.....	Illinois	F. Denton.
J. S. Fry & Sons, Limited	.....	Great Britain	M. D. Beard.
Fordwick Company	.....	Delaware	G. Osler.
G.			
The General Explosives Company of Montreal, Limited	.....	Dominion	Ernest A. LeSeur.
George A. Fuller Company, Limited	.....	Dominion	T. T. Amos.
H.			
Hardware Supply Company, Limited	.....	Michigan	F. S. Frost.
The Hamilton Bridge Works Company, Limited	.....	Dominion	J. S. Hendrie.
Hoyt Metal Company	197 50	Missouri	G. F. Allen.
Harris & Barry, Limited	.....	Dominion	E. A. Larmonth.
The Holden Company, Limited	.....	Dominion	Jno. B. Wilson.
The Hart-Otis Car Company, Limited.	.....	Dominion	J. F. Smellie.
The Herpicide Company	100 00	Michigan	N. A. Bartlet.
Horwood Glass Manufacturing Company, Limited	.....	Dominion	C. G. H. Horwood.
Hudon, Herbert & Co., Limited	.....	Dominion	E. F. Romeril.
I.			
The International Correspondence Schools	.....	Pennsylvania	George Carruthers.
The Imperial Tobacco Company, Limited	.....	Dominion	W. H. Orchard.
J.			
The Jacobs Exploration Company, Ltd.	.....	Dominion	Jos. Montgomery.
L.			
Lowe-Martin Company, Limited	.....	Dominion	R. G. Code.
M.			
The Murine Eye Remedy Company	.....	Illinois	The Lyman Bros. & Co., Limited.
Mead-Morrison Manufacturing Co.	.....	Maine	John Inkerman & MacCracken.
The Monogram Transfer Company, Limited	.....	Dominion	L. N. Bate.
Mexican Transportation Company, Limited	.....	Dominion	J. S. Lovell.
Mitchell (The), D. W. Construction Company, Limited	.....	Dominion	F. W. Griffiths.
Murphy-Gamble, Limited	.....	Dominion	S. Gamble.
Mud River Silver Mining Company	100 00	New York	A. G. Slaght.
MacArthur, Perks & Company, Limited	.....	Dominion	G. W. Volckman.
Mines Power, Limited	.....	Dominion	H. Fisher.
The Mexico Electric Tramways, Limited	.....	Gt. Br. & Ireland.	Chas. H. S. Cooke.
McLaren, D. K., Limited	.....	Dominion	Arthur J. Thomson.

List of Companies Licensed to do business in Ontario during the ten months of the year 1909, ending October 31st.—*Concluded.*

Name of Company.	Fee.	Where incorporated.	Attorney.
N.			
The New Idea Pattern Company	.....	New York	C. C. Smith.
The Northern Electric and Manufacturing Company, Limited	.....	Dominion	M. S. Pierce.
New York and London Drug Company, Limited	100 00	New Jersey	C. A. Smith.
Nitrate Agencies Company	.....	West Virginia	J. F. Askwith.
P.			
Pacific Coal Mines, Limited	.....	Dominion	J. S. Lovell.
R.			
The Robert Reford Company, Limited	.....	Dominion	James Wright.
S.			
Shurier, Samuel J. & Sons	100 00	Pennsylvania	J. B. Dalzell.
Semi-Ready, Limited	.....	Dominion	B. E. Bell.
Standard Sanitary Manufacturing Company, Limited	.....	Dominion	W. A. Porter.
The Stepney Motor Wheel of Canada, Limited	.....	Dominion	W. H. Daires.
Shareholders Protective League, Limited	.....	Michigan	J. Montgomery.
Snipper Bros., Limited	.....	Dominion	G. A. Welch.
T.			
Thunder Bay Elevator Company, Limited	.....	Dominion	J. P. Jones.
The Terrano Flooring Company of Canada, Limited	.....	Dominion	Wm. K. Macdonald
U.			
United States Securities Company	.....	Ohio	J. M. Clark.
United Editors, Limited	.....	Dominion	Robt. P. Glasgow.
W.			
The Willow River Timber Company, Limited	50 00	Dominion	Jno. D. Gordon.
Wilson (The), J. J. Manufacturing Company, Limited	....	Dominion	J. J. V. Hooper
The Whitehead & Hoag Company	100 00	New Jersey	J. B. Fuller.
Western Terminal Elevator Company, Limited	.....	Dominion	Jno. H. Irwin
Z.			
The Zymole Company	.....	New Jersey	Chas. A. Smith.

Appendix L.

List of Licensed Companies who received Supplementary Licenses during the ten months of the year 1909, ending October 31st.

Name of Company.	Date.
S. H. Knox & Company. Increasing the capital to be used in Ontario.	6th January.
Detroit, Belle Isle and Windsor Ferry Company. Increasing the capital to be used in Ontario	3rd February
The Crown Cork and Seal Company of Baltimore City. Increasing the capital to be used in Ontario	30th April.
The Canada Paint Company, Limited. Increasing the capital to be used in Ontario	15th June.
Northern Pyrites Company. Increasing the capital to be used in Ontario	14th September
Butterworth Foundry, Limited. Increasing the capital to be used in Ontario	28th October

Appendix M.

List of Companies whose Licenses were Revoked during the ten months of the year 1909, ending October 31st.

Name of Company.	Date.
The Lufkin Rule Company, Michigan	8th January.

Appendix N.

Proclamations Gazetted during the ten months of the year 1909, ending October 31st.

Re-dividing the Town of Barrie into six wards, January 9th and 16th.
Convening the Legislative Assembly, January 30th, February 6th and February 13th.
Bringing into force an Act to provide for Development of Water Power at Dog Lake, February 20th, 27th, March 6th.
Annexing the Village of Tavistock to the County of Oxford, February 20th, 27th, March 6th.
Reward, *re* Ethel Kinrade murder, March 20th, March 6th, 13th.
Re an Act to create the Provisional Judicial District of Fort Frances, April 10th, April 17th, May 1st.
Suspension of Preparation of Voters' Lists, April 3rd, April 10th, March 27th.
Annexing certain lands to Town of Bruce Mines, April 3rd, 10th, 17th.
Re-division of the Town of Sarnia, April 10th, 17th, 24th.
Change of name of Districts of Fort Frances and Rainy River, May 1st, April 24th, May 15th.
Granting a Crest and Supporters for Province of Ontario, May 1st, 8th, 15th.
Putting into force Part II. and Part III. of an Act respecting Better Administration of Justice, May 22nd, 29th, June 5th, 12th.
Withdrawal of S. ½, Lot 11, from Twp. of McKim and annexing it to Copper Cliff, June 26th, July 3rd, 10th.
Re The Consolidated Municipal Act, 1903 (*re* Campbell Bridge), October 9th, 2nd, September 25th.
Re Harvest, Dominion of Canada, October 2nd.
Re Marriage Settlement of Robert Woods Prittie and Jane Prittie. September 11th, 18th, 25th.
Re an Act to create the Provisional Judicial District of Sudbury, July 31st, August 7th, 14th.
Assigning a Crest and Supporters for the Province of Ontario, May 1st.

APPENDIX O.

List of Companies varying Act of Incorporation during the ten months of the year 1909, ending October 31st.

Name of Company.	Date
The Toronto General Trusts Corporation	8th February.

APPENDIX P.

Comparative Statement showing the work done in the Provincial Secretary's Office during the years specified.

Work done.	1868.	1871.	1875.	1881.	1888.	1891.	1894.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909 (10 mos.)
No. of Fyles *vide* the Office Register...	1,172	1,264	1,862	2,408	4,275	4,379	6,292	6,478	6,301	6,196	6,010	7,033	6,767	6,948	7,297	10,074	11,074	10,456	11,550	11,764
Letters Patent and Licenses	19	24	57	119	117	152	139	358	295	416	438	516	530	578	624	762	928	979	801	828
Supplementary Letters Patent, etc...	.....	.....	.....	.....	19	16	11	18	18	10	29	31	43	90	49	66	117	88	123	170
Marriage Act Forms, etc., issued	.....	.....	28,422	27,822	29,911	28,300	37,459	34,045	28,697	31,467	67,520	64,948	106,955	121,000	74,112	118,330	80,798	88,819	86,292	90,920
Commissions: Great and Privy Seals..	135	190	139	275	534	297	338	225	169	284	281	420	234	226	320	365	430	289	629	321
Fees received	$1,938	$2,282	$5,688	$7,021	$9,190	$9,193	$12,400	$39,286	$28,520	$67,851	$76,997	$88,643	$107,569.91	$120,513.07	$101,051.91	$131,914.91	$207,054.09	$255,803.68	$171,371.48	$209,037.80
Ontario Gazette: Proclamations pub'd..	.....	16	21	17	13	10	6	9	9	9	9	10	17	21	19	14	15	13	14	18
Appointments gaz'd	110	149	94	525	541	468	497	401	430	575	465	451	272	230	320	537	626	581	733	519
Public Notices.....	47	58	80	127	150	179	163	400	282	465	472	650	590	668	673	828	1,045	1,067	924	998

REPORT

RELATING TO THE REGISTRATION OF

Births, Marriages and Deaths

IN THE

PROVINCE OF ONTARIO

FOR THE

Year Ending 31st December,

1908

(Being the 39th Annual Report.)

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1910.

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WILLIAM BRIGGS
29-37 Richmond Street West
TORONTO

To His Honour J. Morison Gibson,

Lieutenant-Governor of the Province of Ontario.

May it Please Your Honour:

I herewith beg to present for your consideration the Thirty-Ninth Annual Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths in the Province of Ontario, during the year 1908.

Respectfully submitted,

W. J. Hanna,

Registrar-General of Ontario.

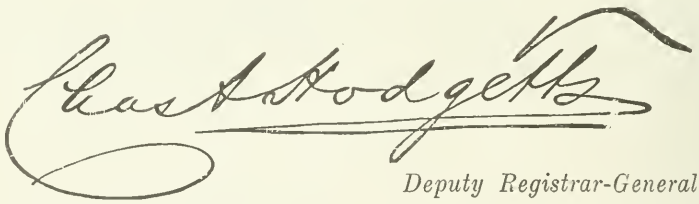
SIR,—

I have the honour to submit for your approval the Thirty-Ninth Annual Report made in conformity with and under the provisions of The Act respecting the Registration of Births, Marriages and Deaths in the Province of Ontario, for the year ending December the thirty-first, 1908.

I have the honour to be,

Sir,

Your obedient servant,



Deputy Registrar-General.

TO HON. W. J. HANNA,

Registrar-General of Ontario.

Report Upon

Births, Marriages and Deaths

For the Year 1908

This the thirty-ninth report of Vital Statistics of the Province of Ontario is for the year ending December the thirty-first, 1908; the percentages are based upon an estimated population of 2,226,860.

With the constant movement of population both into and out of some of the older portions of the Province, the estimated population is somewhat wide of the actual population, such as would be shown by a police census. Particularly is this true of that portion known as New Ontario. The sudden influx of population has made it impossible to approach anything like accuracy as between estimated and actual population. Again, in some instances, cities have added large and often well settled suburban districts to their corporation boundaries. Allowing for all these exceptions, it may reasonably be surmised that the total estimate of population, as well as that for counties, is fairly accurate and may safely be taken as one upon which rates may be based. The exceptions must, however, always be looked for, otherwise in making comparisons, errors will be made.

There were returned to the Registrar-General by the Division Registrars during the twelve months, 110,927 registrations, divided as follows: Births 57,155, Marriages 21,058, Deaths 32,714. The total return from the County of York, including its county town, the city of Toronto, totalling 20,250, being 18.2 per cent. of those received from the Province.

The following figures show the yearly increases made during the past decade:

VITAL STATISTICS RETURNS FOR TEN YEARS, 1899 TO 1908, INCLUSIVE.

——	Births.	Marriages.	Deaths.	Total.
1899	44,705	16,514	28,607	89,826
1900	46,127	17,107	29,494	92,728
1901	46,061	18,035	29,608	93,704
1902	47,796	18,072	27,864	93,732
1903	48,642	19,830	29,664	98,136
1904	50,265	19,789	31,290	101,344
1905	51,911	20,426	31,371	103,708
1906	51,710	19,846	32,782	104,338
1907	53,584	21,915	33,502	109,001
1908	57,155	21,058	32,714	110,927
Total	497,956	192,592	306,896	997,444

Notwithstanding the steady increase in registrations in all three classes, they cannot be accepted as accurate, for it is found that parents are particularly negligent in their duties as regards registration of births, and in some cases

physicians frequently ignore their duties as regards notification of births, and neglect on their part too often means failure to register the birth at all. The correctness of the marriage returns has greatly improved during the past few years, and with the return of the marriage license and affidavit to the Registrar-General an opportunity for better checking of the schedules with these documents will of necessity lead to greater accuracy. The discrepancy will, it is estimated, be not less than 7 or 8 per cent., but figures in this connection will not be possible until the next annual report is made.

The accuracy of the mortality returns can only be surmised, as owing to the want of efficient legislation the exact data as regards cemeteries and cemetery officials is unobtainable, and until such time as it is made obligatory for each and every cemetery and burial ground in the Province to be registered with this Department and heavy penalties are attached for non-registration and failure or neglect to make quarterly returns of all burials taking place therein, it will be impossible to look for a high standard of accuracy in death returns.

BIRTHS.

The total number of registered births was 57,155, giving a rate of 25.6 per thousand. This is an increase of 1.5 per 1,000 over the year 1907.

The apparently high birth rate in the district of Thunder Bay is misleading, being altogether too high, and its inaccuracy is due to the fact that the estimated population is far too low. The total of 962 registrations may be taken as too low, as the difficulties of registration in the newly settled and often unorganized townships are considerable and many births occur without the presence of a physician or nurse. The parents are ignorant of their duties in respect to registration, and statistics are in error. In a still lesser degree, the same may be said of the returns of Algoma, Haliburton, Muskoka, Rainy River, Renfrew and Parry Sound.

The seemingly high birth rates in each of the counties of York, Wentworth and Peterborough may be ascribed to the abnormal growth of each of the county towns.

The counties Essex, Prescott and Russell and Waterloo may be taken as evidences of the failure of modern (American) ideas to affect the domestic life of the French and German populations resident therein. In this respect they are examples to a large portion of our population with whom families are at a discount, for it can unfortunately be said that while many Canadian couples are willing to enjoy the pleasures of a matrimonial life, yet it is part of their programme to unblushingly indulge in preventive practices which result in sterility. The result is becoming more and more apparent, for they result to the detriment of the health of both women and men. It is the practice of many men to advance all manner of excuses for the avoidance of paternity: they all find their foundation in a desire on the part of both men and women to be as free from household care as possible, and thus allow of their indulgence in the lighter and more frivolous pastimes of theatre, card party and scores of other social pastimes—anything but that for which they were created, viz., to be fruitful and multiply and so replenish the earth. The modern plan for increasing the population seems to be an encouragement by the state of the importation of foreign-born, anything but the "Made in Canada."

In tables 2 and 3 will be found the births registered in the cities and towns of a population of over 5,000. The nineteen cities with a population of 564,204 recorded 18,063, a rate of 32 per 1,000 of population, while the fifteen towns

with a population of 125,256 had a birth rate of 25.1 per 1,000. Deducting the populations of these two groups from the total for the Province, there were 35,958 births in a rural population of 1,537,400, or 23.3 per 1,000, which is 2.3 per 1,000 less than the rate for the Province. This difference appears more real than is the case, from the fact of the birth rates of the cities, particularly those of Fort William and Port Arthur, being abnormally high, the estimated population in these two municipalities in no way representing the present population.

The lowest city birth rate is that of Kingston, 21.5.

During the decade from the year 1899, there have been registered 49,956 births in the Province, which represents an average rate of 22.3 per 1,000 per annum.

The chief counties reporting a lower birth rate than the average are—Grey 20, Bruce and Ontario 19.9, Lincoln and Lambton 19.8, Hastings 19.6, Perth 19.6, Dufferin 18.9, Wellington 18.8, Norfolk 18.7, Lanark, 18.5, Middlesex 18.4, Haldimand 17.9, Huron 17.8, Elgin and Lennox and Addington 17.3, Durham and Northumberland 17.2, Peel 16.8, Prince Edward 15.8. These are what may be called older settled counties with a population more or less stationary and from which have emigrated a large number of the younger portion of the inhabitants to settle chiefly in the west, some in the newer portions of our own Province.

Comparing the births by sex, there were 30,255 males and 26,900 females, or 112 males to every 100 females, the largest number happening within the month of May and the minimum being reached in December. There were 536 multiple births, 530 being twins and 6 triplets. Of the twins, 552 were males and 508 females, while of the triplets 8 were males and 10 females. Eight hundred and nineteen births of the total number registered were born out of wedlock, being a rate of 16 per thousand.

MARRIAGES.

The 21,058 marriages registered in 1908 represent a rate of 9 per 1,000, as against 21,915 in 1907, when the rate was 9.8, which was the highest record of the past ten years (Table 5) : the average rate for the decade was 8.6. The high marriage rates in Nipissing, Algoma, Rainy River and Thunder Bay are more apparent than real, from the fact of the population figures being incorrect; and the same remark applies to Welland, where the opening up of new industries has caused an abnormal increase of population at one or two points.

The birth rate also of the County of York, which is 5 per 1,000 in excess of the rate for the Province and 4.8 in excess of the census year 1901, is in error from the fact of the excessive growth of the city of Toronto.

The only monstrosity in the figures of this group is the return of Essex, 2,120, equal to a rate of 35.8 per thousand. This extraordinary condition of affairs keeps up from year to year, the maximum having been reached in 1907, when 2,168 marriages were reported. Analyzing the figures in Table 5, in Essex County for the years 1899 to 1908 inclusive, no less than 16,845 were registered, the county population being 59,660, while during the same years there were registered in York, with a population of 277,994, only 31,129. Many couples come over to Windsor or Sandwich from Michigan and other States for various reasons, the chief factor being the laxity of the marriage law in this Province which grants a distinct favour to non-residents as opposed to residents who select the method of publication of banns, rather than that of marriage by license. This

favour permits of the license being issued if the applicant makes an affidavit before the issuer where neither party has for the space of fifteen days immediately preceding the issue of the certificate or license had his or her usual place of abode in the county or district in which it is intended that the marriage shall be solemnized, that "the reason for procuring the marriage to be solemnized in the municipality is not in order to evade due publicity or for any other improper purpose."

Why the restriction is placed upon persons resident of the Province, many if not most of whom have been born therein, it is hard to understand, particularly as the law is one for the people of Ontario and not for non-residents, most of whom belong to a foreign nation. It would be more natural to presume that if marriage is to have any safeguards thrown around it whatever, it would reasonably be against just the class of marriages that is the rule in the portion of Essex County above referred to, persons whom it would be difficult, if not altogether impossible for the Crown to prosecute, should it be found subsequently that the declaration is false in any of its details.

As to the declaration itself, many of the issuers are engaged in commercial life, often jewellers, who naturally would benefit through the sale of jewelry, particularly rings, which are considered essential, and the signing of the declaration under such conditions to many is a mere formal act and certainly does not carry the weight which otherwise would be attached to it if it were made before a justice of the peace or even a municipal clerk. The subject of the appointment of the issuer is one which in my opinion should also receive consideration.

Classifying the marriages by the religions of both the brides and grooms, it is found that the first on the list is the Methodist, with 12,527, after which the other denominations follow in the following numerical order: Presbyterians, 8,386; Anglicans, 7,848; Roman Catholics, 6,694; Baptist, 2,772; Lutherans, 1,343; Congregationalists, 464; Hebrews, 282; Evangelical Association, 253; Salvation Army, 171.

Of the two means under which clergymen and other authorized persons can perform the marriage ceremony, 18,759 were by license and 2,299 by banns.

In Table 5 will be found the number of marriages registered in each of the counties during the past ten years, with the rate per thousand.

DEATHS.

During the year 1908 there were registered 32,714 deaths, which is a death rate of 14.6 per thousand of the estimated population, a rate in excess of the actual one, for the reasons previously stated, as the following example will clearly indicate, the computation being based upon the assessment census as furnished by Department of Agriculture of Ontario for 1908:—

	Census Population.	Ratio per 1,000	Estimated Population.	Ratio per 1,000
Toronto	287,201	16.2	229,142	20.4
Ft. William	15,773	17.5	4,195	66.0
Hamilton	66,976	15.5	55,353	18.8
Niagara Falls	7,087	22.2	5,009	31.5
Port Arthur	11,520	21.1	3,633	67.1

The number registered is 788 less than that of the previous year, while the rate is .4 per thousand less. Of these, 11,283 were reported from the nineteen cities, the rate per thousand being 19.9.

The number of deaths in the several counties during the past decade are given in Table 7.

Analysis of the deaths show that of the total 1,767 were still births, leaving 30,947 to be considered. Of this number 16,557 were males, 14,356 females and 34 of sex not stated. The month of highest mortality was that of January (3,057), and the lowest that of November (2,343). The deaths in January from diseases of the respiratory system were 467 as against only 187 in the month of November. There were only 330 deaths in November from "other general diseases," which was the lowest record under this head for any month in the year. Of the 30,947 deaths, the ages were not stated in 385 cases, which reduces the total number to 30,562, which are classified under age groups. Of the 30,562, 6,895 were infants under one year, 305, or .9 per cent., dying of epidemic diseases; 701 of diseases of the respiratory system; 1,655, or 5.4 per cent., from diseases of the digestive system; 2,599, or 8.5 per cent., from other diseases of infancy: and 569, or 1.2 per cent., from ill-defined diseases.

In further studying the deaths in this age group, it will be noted that, excluding still births, for every 8 children born in the year 1908 there was the death of one infant under the age of twelve months, and of the 30,562 deaths, excluding still births, where the age was stated, 22.56 per cent. were babies under the age of 12 months. A modern slaughter of the innocents, which has been going on with very little abatement for many years, as the following tables will show. Is not such a condition a reflection upon our so-called civilization?

Table of Deaths of Infants under One Year Old, also Births for the Same Period in Ontario, Still Births Not Included.

Deaths under 1 year.	Year.	Births.
5,482	1899	43,845
6,212	1900	45,176
5,435	1901	44,953
4,852	1902	46,645
5,435	1903	47,377
5,212	1904	48,575
6,071	1905	50,288
6,867	1906	50,172
6,295	1907	51,838
6,895	1908	55,388

Table of Deaths of Infants under One Year Old, also Births for the Same Period in the City of Toronto, Still Births Not Included.

Deaths under 1 year.	Year.	Births.
777	1899	3,827
880	1900	4,350
711	1901	4,270
713	1902	4,873
827	1903	4,844
903	1904	5,028
935	1905	5,553
918	1906	5,708
976	1907	6,343
1,215	1908	7,618

It is more than passing strange that nothing is said, and still more cruel and heathenish that this annual sacrifice of nearly nineteen babies every day in the

week, and for every day in the year, goes on almost unheeded in this Christian country. Will it ever cease? Will the mothers and fathers of this Province do nothing to stop it? Here surely is something worth conserving: if the conservation of human life is not worth considering, what else is? Mothers and fathers, where are you? Are not the babies the nation's greatest and best asset? Why the apparent apathy that prevails on all sides? If some 6,000 valuable hogs, cows or horses died annually, chiefly from preventable diseases, would not the Department of Agriculture take immediate action and secure the necessary money grant to engage in splendid work to help to save the farmers and the country from a great financial loss incident to their death. Of course, the grant would come. Why? Because it touches the pocket; it is a case of dollars and cents. But attention is now directed to something which cannot be reckoned by such a sordid measure; human lives are involved, many of which could be saved to the state, the family and the fond parents, if but the attention of our legislators were directed to a serious consideration of the questions involved, and wise legislation enacted, such as would provide for the education of boys and girls in the duties and responsibilities of motherhood and fatherhood, and the food supply of infants who unfortunately cannot be breast-fed were safeguarded. There are also many other lines upon which improvement can be made, such as the housing of the poorer classes, preferably in detached houses or cottages; the preventing of overcrowding, and I would go so far as recommending legislation to prevent, under certain conditions, the erection of the tenement. They are a damnable architectural invention and their erection should be very carefully considered in our midst. Space, space, is what we require so that fresh air and sunlight may be enjoyed by all.

The systematizing of the medical inspection of school children by statutory enactment as a public health measure is of great importance; it would have an important bearing upon infantile morbidity and mortality, as a preventive measure greatly lessening the danger at present existing of communicable diseases being conveyed to school children, who in turn quite innocently carry disease into the home where the younger members of the family subsequently develop the same.

In Table 13 will be found the deaths in the Province of children under five years of age by individual diseases.

The diseases most fatal to infant life of this age group, diphtheria and whooping cough, rank the highest. One hundred and fifty-five died of Tuberculosis of different forms, and no less than twelve are reported as due to Venereal Diseases. Of the 264 deaths from Meningitis, a large percentage were doubtless of the Tubercular variety. The deaths due to that general term "Convulsions" were 516. It is a common belief that this rigorous climate has much to do with the death rate amongst the young and the aged: just how far climate or carelessness, ignorance and poverty have much more to do with it, is a very interesting social problem. Of 1,015 deaths in the Respiratory Group, 465 died of Pneumonia and 185 of Bronchitis and 268 of Broncho-Pneumonia. As to how far this number of deaths could be materially lessened by greater maternal care and with improved sanitary conditions and better social environment, can only be conjectured. It remains for the people to experiment. Personally, I am certain the results will be highly satisfactory. Of the deaths due to diseases of the Digestive System, 1,377 were from Diarrhoea and Enteritis and 281 from "Other diseases of the Stomach." Add to these numbers the 464 as due to "Ill-defined Causes" and 191 from "Unknown Causes," we have a total of 2,313 deaths due largely to causes, many of

which could be mitigated, if not largely prevented. One important factor is that of infant rearing and feeding. The milk supplied to infants should be of the best, and to secure a good quality, municipal authorities must institute wise measures and provide officers for their enforcement; where parents are unable to provide the same, the milk must be given at the public charge. Parents at the same time must be instructed in the proper methods to be followed in infant feeding and rearing, and modified milk must be provided—for even pure cow's milk *must* not be fed to babies without a proper preparation, even apart from a careful and scientific pasteurization.

Brief reference will only be made to the 184 deaths from conjenital debility and the 788 premature births. Many are inevitable and as weaklings, it is perhaps as well for the race that they are removed in infancy, but what physician has not seen cases where in all human probability if the mother had taken proper care during the prenatal period, that a healthy child would have been born to be reared for the state. After deducting the still births and the deaths where the age is not stated, it will be found the death rate per thousand for the Province was 3.09, that of the cities being 5.07, of the towns over five thousand of a population 3.04, and deducting these from the totals of the Province, the rate for the rural municipalities was 2.37. It is only fair to state, however, that the aggregate population of the cities is much in excess of that stated and the actual death rate per thousand of the population would be much less if the actual figures were obtainable, but even then the mortality is relatively higher.

Attention is more particularly drawn to the mortality statistics as they relate to Typhoid Fever, Tuberculosis, Venereal Diseases, Cancer, Diphtheria and Whooping Cough, and those of Group XIII.

Typhoid (Enteric Fever). It is impossible to make any comparison between morbidity and mortality statistics, as the former are not obtainable, the disease being one which unfortunately is but improperly notified by physicians. This is a grave error, as it is of the utmost importance that local health authorities should be informed at once of each and every case, and it is equally important that careful investigation on the part of the health authorities should follow notification. Of the 662 deaths, 213 occurred in the cities; 134 in the towns of over five thousand population, and 315 in the rural districts. By reference to Table 10 it will be seen that the disease is prevalent in every portion of the Province with the single exception of Dufferin County. Of the cities, St. Catharines reports no deaths, and of the towns, Orillia.

It is impossible to indicate with accuracy the sources of Typhoid from the mortality returns, but a glance at the list of cities and towns, all of which have public water supplies, naturally leads up to the question: Are these supplies at all times pure and uncontaminated with sewage or human excreta? If they are not, and one would be almost justified in expressing the opinion that they are not, then what are the local authorities doing to prevent this severe loss of human life? It also behooves municipalities to enquire into the quality of their milk supply, for with the disease so generally scattered over the rural districts, where well waters are in common use, and water is necessary in the washing of milking utensils, the danger of disease from this source must be an ever increasing factor to be reckoned with.

Tuberculosis of all forms caused the death of 2,505, of which number 155 were infants under the age of twelve months. The subjoined table gives the number of deaths as reported from tuberculosis in the Province since the year 1870.

TABLE SHOWING DEATHS FROM TUBERCULOSIS, PROVINCE OF ONTARIO, 1870-1908.

Year.	Deaths from Tuberculosis.	Decennial Census Population.	Ratio per 1,000 of Population.	Total Deaths from all Causes.	Percentage of Deaths from Tuberculosis in Census Years.
1870.....	886				
1871.....	1,049	1,620,851	.64	6,905	15%
1872.....	1,308				
1873.....	1,420				
1874. ...	1,255				
1875.....	No returns.				
1876. ...	2,315				
1877.....	2,188				
1878.....	2,053				
1879.....	2,104				
1880.....	2,197				
1881.....	2,446	1,923,610	1 27	22,821	10%
1882.....	2,591				
1883.....	2,667				
1884.....	2,506				
1885.....	2,499				
1886.....	2,573				
1887.....	2,556				
1888.....	2,551				
1889.....	2,417				
1890.....	2,503				
1891.....	2,379	2,122,716	1.12	21,558	11%
1892.....	2,592				
1893.....	2,552				
1894.....	2,379				
1895.....	2,472				
1896.. .	2,922				
1897.....	3,164				
1898.....	3,291				
1899.....	3,405				
1900.....	3,484				
1901.....	3,284	2,184,144	1.50	29,608	11%
1902.....	2,694				
1903.....	2,723				
1904.....	2,877				
1905... ..	2,667				
1906.....	2,911				
1907.....	2,530				
1908.....	2,511				
Total...	92,921				

Although it is claimed that sanatoria and other forms of treatment have had a beneficial effect upon local mortality returns, yet it must be some years before any marked influence will be noticed on the death rate of the white plague in this Province. Morbidity returns may show a decline, but figures relating thereto are not in the possession of the Department.

It may be anticipated with certainty that with the increase of sanatoria, dispensaries, day camps and with the distribution of general knowledge in respect to proper living, fresh air, temperance, home sanitation and personal hygiene,

the good effects will ultimately be noted in Ontario, not only in respect to tuberculosis, but in its bearing upon the general health of the people.

The death rate per thousand of the estimated population is 1.12, while in the city group it is 1.43, in the town group 1.17, and in the remainder of the Province it is 1.002, thus indicating, so far as figures will show, the denser the population the greater the risk of death from the disease.

Diphtheria and Whooping Cough.

The deaths from diphtheria as reported since the year 1889 are as follows:—

1889	1,101	1899	599
1890	893	1900	738
1891	952	1901	772
1892	890	1902	676
1893	942	1903	687
1894	1,075	1904	608
1895	942	1905	503
1896	932	1906	423
1897	976	1907	380
1898	634	1908	450

The marked decrease is undoubtedly due to the use of Antidiphtheritic Serum, both as a curative and a prophylactic, and is a beautiful example of what good results have followed experimental research, for if Pasteur and his confreres had not been able to initiate and carry on their experiments upon the lower animals, which led up to and resulted in the making of serum therapy possible as a method of treatment for the human race, such improved mortality statistics could never have been recorded. Nothing has been done, however, along these lines for the treatment or prevention of whooping cough, and the deaths from this apparently simple disease show only an upward tendency, as will be seen in the following table:—

1899	124	1904	109
1900	185	1905	181
1901	166	1906	240
1902	204	1907	214
1903	204	1908	246

Venereal Diseases.

The deaths under this heading number only 20, and 12 of these appear in Table 13, the deaths having been in 9 cases infants under one year and 3 in children under two years of age. Half of the deaths were reported in the cities, viz., Toronto, 5; Hamilton, 3; London and Ottawa, 1 each. Two deaths happened in towns, one each in Brockville and Kenora, the remaining 8 in the rural districts of the Province.

The figures are quoted to show that the disease is present with us, and authorities must not forget, indeed rather that they must realize, that a social evil lurks often beneath the thin ice formed by the social purity movement, and by reason of the sins of their parents twelve infants at least are known to have died in the year 1908 from this preventable disease.

Cancer.

The figures for the past seven years, so far as they relate to cancer, are such also as to call for notice. During the past seven years no less than 8,769 persons of all ages have died from various forms of cancer. By year the figures are:—

1902	1,048
1903	1,156
1904	1,253
1905	1,224
1906	1,411
1907	1,329
1908	1,348

The deaths as reported by counties will be found in Table 10, while those happening in the cities and towns are contained in Tables 11 and 12.

Of the 240 reported in York County, no less than 203 died in the City of Toronto, and it will be noted that many deaths happen in the cities and towns in which are to be found general hospitals, to which it is naturally to be expected many patients suffering from cancer resort for treatment.

The prevalence of the disease in its several forms is of such a nature as to call for some scientific research by the government. Bright's Disease is one which stands at the head of its group, there having been 786 deaths reported in the year (Table No. 10), and of this number 310 died in the cities, 48 in the towns, and the remainder, 428, died in the rural districts. The death rate per thousand is .35.

Deaths from Violence, Etc.

The ten subdivisions of this group will be found in Table 10 and the death totals of each.

Of this number 10.67 per cent., or 192, were deaths of children under five years of age (Table 13). Of suicides there were 105 and 11 homicides. The deaths from burns and scalds were 117, while from drowning nearly twice that number occurred (325), and from fractures and dislocations the number registered was 162. It is a matter for serious consideration how far these figures would have been reduced if in this Province there was some attention paid to the extension of instruction in what is known as "First Aid." How many sufferers from fractures might have been given first-aid treatment until such times as medical aid arrived, and these lives saved thereby. How many of the apparently drowned might have been restored to life if intelligent citizens had been nigh to resort to the Sylvester Method, and how many accidents of this class would have been avoided altogether if swimming were more widely taught? These 604 deaths are of the preventable class and such a slaughter is unwarranted. It indicates a recklessness in respect to human life which is a reflection upon our education and our civilization.

The subdivision 127, Table 10, which numbers 803, all of which were due to traumatisms of various kinds, includes railroad, electric car and other accidents, of which number 29 per cent. happened in the cities of the Province, and 5.84 per cent. in the towns. (Table 12.)

Just a passing comment upon the one thousand deaths from "Heart Failure." Is it better to have this given as a cause, than "cause unknown," for in the study of vital statistics it is of but little value?

In submitting the revised classification as prepared by the International Commission for the Second Decennial Revision of the international classification of diseases and causes of death, held in Paris, July 1st to 3rd, 1909, the writer is indebted to the courtesy of the Bureau of the Census, Washington, U.S.A., which in Bulletin 104 fully sets forth the changes made.

The importance of this subject was realized by at least one portion of the British Empire, viz., by the Commonwealth of Australia, which was represented by G. H. Knibbs, State Statistician, and it is very regrettable that the Dominion of Canada did not send a representative to that conference, particularly in view of the fact that the next Canadian Decennial Census will be made in 1911.

The international classification will, with modifications as adapted to this Province, be used during the next decennial period in the preparation of the Registrar-General's report, and the hope is expressed that the medical profession of the Province will be guided by the same in reporting deaths, and so far as possible state the primary and immediate causes of death. The request is a small one, but the information will be of invaluable aid in arriving at a higher degree of accuracy in the compilation of the mortality tables.

As in some quarters there appears from time to time an unjustifiable criticism regarding the apparent lateness in the publication of the vital statistics of the Province, for the benefit of ignorant critics, a brief explanation of the methods of the collection and compilation may not be out of place. Births, marriages and deaths are registered with the municipal clerks throughout the Province, who make their returns quarterly on the fifteenth days January, April, July and October of each year.

These returns are carefully checked by the receiving clerks, who arrange them in county groups. When all the returns have been received, they are bound by counties. This binding is not completed until the end of the first quarter in the following year, when the compilation of the tables begins, a process which, with the present staff, occupies from six to eight months. It will therefore be seen that the returns, say, for the year 1909, cannot be ready for presentation to the Legislature until after December 3rd, 1910.

In conclusion, permit me to express my appreciation of the work of the officers of the permanent staff, as also the several temporary clerks employed from time to time. To the painstaking care of those engaged in the compilation of tables is due the completeness and accuracy of this report.

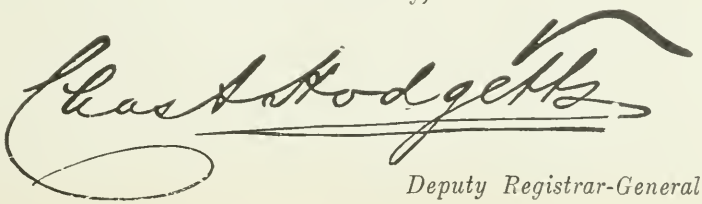
I would also refer to the good work performed by the Division Registrars of the Province. The municipal clerks, who receive but scanty remuneration for the time and trouble they take to secure correctness in their registrations, their valuable services in this apparently small, but very important, part of public work is altogether lost sight of by the public whom they serve, and is deserving of greater consideration, for the work of the compilation of the records of births, marriages and deaths is one that will be valuable to posterity in a degree proportionate to their correctness.

All of which is respectfully submitted.

I have the honour to be,

Sir,

Yours obediently,



Deputy Registrar-General.

Appendix to Report.

Copy of an Order-in-Council approved by his Honour the Lieutenant-Governor, the 15th day of June, A.D. 1909.

Upon the recommendation of the Honourable the Provincial Secretary, the Committee of Council advise that the accompanying regulations respecting the registration of Births, Marriages and Deaths by the Registrar-General and Division Registrars be approved by your Honour.

Certified,

(Sgd.) J. Lonsdale Capreol,

Clerk, Executive Council.

REGULATIONS RESPECTING THE REGISTRATION OF BIRTHS, MARRIAGES AND DEATHS BY THE REGISTRAR-GENERAL AND DIVISION REGISTRARS.

"The Registrar-General may register a birth which has not been registered in accordance with section 18 of the Vital Statistics Act, 1908, Chapter 28, 8 Edward VII., provided the information is furnished in accordance with the provisions of the said Act. In each such case the registration shall be made in the proper register, and the date of registration shall be stated in the proper column of the register."

"Where the registration of a marriage has not been made, as provided for in section 21 of the Vital Statistics Act, 1908, Chap. 28, 8 Edward VII., the Division Registrar of the Division in which a marriage occurred may register the same at any time within twelve months after the performance of the marriage ceremony, provided the information is furnished in accordance with the provisions of the said Act, the registration to be made in the schedules of the current quarter."

"After the expiration of twelve months from the performance of the marriage ceremony, registration shall only be made by the Registrar-General, provided the information is furnished in accordance with the provisions of the said Act, in which case the entry of registration shall be made in the proper register, the date of registration being entered in the proper column of the register."

"The Registrar-General may register a death which has not been registered by a Division Registrar in accordance with section 28 of the Vital Statistics Act, 1908, Chap. 28, 8 Edward VII., provided the information is furnished in accordance with the provisions of the said Act. In each such case the registration shall be made in the proper register, and the date of registration shall be made in the proper column of the register."

TABLE No. 1.

Table showing the total number of Births, Marriages and Deaths, and ratio per 1,000 in each County in Ontario, 1908.

Counties.	Estimated Population.	Births.	Ratio per 1,000.	Marriages.	Ratio per 1,000.	Deaths.	Ratio per 1,000.	Total.
Grand Total	2,226,860	57,155	25.6	21,058	9.0	32,714	14.6	110,927
Algoma	46,278	1,211	28.3	475	10.2	596	12.8	2,282
Brant	38,880	1,000	25.0	329	8.4	546	14.0	1,875
Bruce	60,175	1,130	18.7	299	4.9	718	11.9	2,147
Carleton	98,799	2,606	26.3	925	9.3	1,830	18.5	5,361
Dufferin	21,450	400	18.6	140	6.5	218	10.1	758
Elgin	44,437	938	21.1	396	8.9	562	12.6	1,896
Essex	59,660	1,681	28.2	2,120	35.8	849	14.2	4,650
Frontenac	45,406	893	19.6	326	7.3	611	13.4	1,830
Grey	70,949	1,400	19.7	412	5.8	770	10.8	2,582
Haldimand	21,652	434	20.0	174	8.0	211	9.7	819
Haliburton	6,686	204	30.5	37	5.5	78	11.6	319
Halton	19,928	460	23.0	118	5.9	258	12.9	836
Hastings	60,448	1,289	21.3	486	8.0	771	12.7	2,546
Huron	63,028	1,091	17.3	376	5.9	705	11.1	2,172
Kent	58,547	1,210	20.6	425	7.2	735	12.5	2,370
Lambton	57,751	1,107	19.1	483	8.3	702	12.1	2,292
Lanark	37,961	714	18.8	223	5.8	484	12.7	1,421
Leeds and Grenville	60,149	1,117	18.5	433	7.1	742	12.3	2,292
Lennox and Addington	23,802	401	16.8	173	7.2	267	11.2	841
Lincoln	31,149	704	22.6	231	7.4	424	13.6	1,359
Middlesex	94,514	1,997	21.1	781	8.2	1,323	13.9	4,101
Muskoka	21,382	626	29.2	150	7.0	275	12.8	1,051
Nipissing	27,262	1,607	22.3	378	13.8	772	28.3	2,757
Norfolk	29,715	536	18.0	208	6.9	385	12.9	1,129
Northumberland and Durham	63,263	1,164	18.3	395	6.2	827	13.0	2,386
Ontario	41,198	885	21.4	261	6.3	556	13.5	1,702
Oxford	49,351	994	20.1	332	6.7	582	10.7	1,908
Parry Sound	25,424	855	33.6	193	7.5	305	11.9	1,353
Peel	21,895	446	20.3	153	6.9	253	11.5	852
Perth	50,846	1,004	19.7	349	6.8	573	11.2	1,926
Peterborough	36,771	986	26.8	294	7.9	517	14.0	1,797
Prescott and Russell	48,241	1,881	38.9	333	6.9	739	15.3	2,953
Prince Edward	18,224	328	17.9	139	7.6	281	15.4	748
Rainy River	16,762	457	27.2	196	11.6	422	25.1	1,075
Renfrew	53,743	1,471	27.3	370	6.8	585	10.8	2,426
Simcoe	83,925	2,115	25.2	574	6.8	1,089	12.9	3,778
Stormont, Dundas and Glengarry	70,278	1,497	21.2	436	6.2	893	12.7	2,826
Thunder Bay	12,791	962	75.2	305	23.8	557	43.5	1,824
Victoria	32,576	774	23.7	183	5.6	406	12.4	1,363
Waterloo	53,621	1,612	30.0	463	8.6	664	12.1	2,739
Welland	32,205	857	26.6	767	23.7	518	16.0	2,142
Wellington	56,733	1,134	19.9	431	7.5	674	11.8	2,239
Wentworth	81,011	2,556	31.5	887	10.9	1,511	18.5	4,954
York	277,994	10,421	37.4	3,899	14.0	5,930	21.3	20,250

TABLE No. 2.

Table showing the total number of Births, Marriages and Deaths, and ratio per 1,000 in each City in Ontario, 1908.

Cities.	Estimated Population	Births.	Ratio per 1,000.	Marriages.	Ratio per 1,000.	Deaths.	Ratio per 1,000.	Total.
Grand Total	564,204	18,063	32.0	9,369	16.6	11,283	19.9	38,715
Belleville	9,300	248	26.6	143	15.3	185	19.8	576
Brantford	19,481	597	30.6	217	11.1	316	16.2	1,130
Chatham	9,079	229	25.2	137	15.0	180	19.8	546
Fort William	4,195	442	105.3	139	33.1	277	66.0	858
Guelph	12,219	307	25.1	191	15.6	197	16.1	695
Hamilton	55,353	1,822	32.9	739	13.3	1,045	18.8	3,606
Kingston	18,322	395	21.5	220	12.0	359	19.5	974
London	42,846	1,024	23.8	467	10.8	740	17.2	2,231
Niagara Falls	5,009	214	42.7	409	81.6	158	31.5	781
Ottawa	81,223	2,035	25.5	778	9.5	1,465	18.0	4,278
Peterborough	12,444	459	36.8	166	13.3	273	21.9	898
Port Arthur	3,633	392	107.8	155	42.6	244	67.1	791
St. Catharines	10,528	294	27.9	115	10.9	191	18.1	600
Stratford	10,293	301	29.2	113	10.9	171	16.6	585
St. Thomas	12,301	334	27.1	188	15.2	244	19.8	766
Toronto	229,142	7,938	34.6	3,435	14.9	4,676	20.4	16,049
West Toronto	6,220	433	69.6	94	15.1	195	31.2	722
Windsor	13,625	395	28.9	1,564	114.7	241	17.6	2,200
Woodstock	8,991	204	22.6	99	11.0	126	14.0	429

TABLE No. 3.

Table showing total number of Births, Marriages and Deaths, and ratio per 1,000 in each Town of over 5,000 population in Ontario, 1908.

Towns.	Estimated Population.	Births.	Ratio per 1,000.	Marriages.	Ratio per 1,000.	Deaths.	Ratio per 1,000.	Total
Grand Total	125,256	3,134	25.1	1,396	11.1	2,093	16.7	6,623
Barrie	6,245	200	33.6	89	14.0	119	19.0	418
Berlin	11,792	466	39.5	141	11.9	163	13.8	770
Brockville	9,046	211	23.3	110	12.1	159	17.5	480
Collingwood	6,405	203	31.6	66	10.3	117	18.2	386
Cornwall	6,838	139	20.3	75	10.9	166	24.2	380
Galt	8,106	195	24.0	73	9.0	106	13.0	374
Hawkesbury	6,818	274	40.1	44	6.6	109	15.9	427
Kenora	10,810	155	14.3	94	8.6	291	26.9	540
Lindsay	7,730	147	19 0	81	10.4	112	14.4	340
Orillia	5,033	127	25.2	69	13.7	77	15.2	273
Owen Sound	9,799	299	30.5	103	10.5	198	20.2	600
Pembroke	5,760	167	28.9	58	10.0	96	16.6	321
Sarnia	9,316	223	23.9	218	23.4	154	16.5	595
Sault Ste. Marie	15,250	198	12.9	122	8.0	111	7.2	431
Smith's Falls	6,308	130	20.6	53	8.4	115	18.2	298

TABLE No. 4.—Showing the number of births registered and birth rate per 1,000 of estimated population in each County of the Province for each of the ten years 1899-1908 inclusive.

Counties.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	Totals.
Totals	44,705	46,127	46,061	47,796	48,642	50,265	51,911	51,710	53,584	57,155	497,956
	19.4	19.8	21.1	21.7	22.1	22.8	23.5	23.3	24.1	25.6	22.3
Algoma	826	840	978	1,391	1,431	1,441	1,525	1,340	1,370	1,211	12,353
	45.9	46.2	22.0	30.3	31.3	31.4	33.2	29.1	29.6	28.3	32.7
Brant	756	697	745	752	753	781	859	809	938	1,000	8,090
	19.1	17.4	19.5	19.5	19.6	20.2	22.2	20.9	24.1	25.0	20.7
Bruce	1,244	1,321	1,217	1,271	1,192	1,300	1,268	1,192	1,187	1,130	12,322
	17.7	18.6	20.6	21.3	20.0	21.8	21.2	19.9	19.7	18.7	19.9
Carleton	2,039	2,054	2,461	2,108	2,275	2,281	2,433	2,436	2,567	2,606	13,560
	24.2	24.1	25.4	24.6	23.3	23.3	24.8	24.7	26.0	26.3	24.6
Dufferin	435	453	434	429	460	453	435	425	340	400	4,264
	18.0	18.1	20.6	20.2	21.7	21.3	20.4	15.0	15.8	18.6	18.9
Elgin	718	766	703	780	740	785	786	861	889	938	7,966
	15.2	16.1	16.1	17.7	16.8	17.8	12.8	19.4	20.0	21.1	17.3
Essex	1,506	1,490	1,471	1,522	1,719	1,602	1,615	1,549	1,385	1,681	15,540
	25.0	24.5	25.1	25.8	21.1	27.1	27.2	26.1	23.2	28.2	25.3
Frontenac	886	918	862	900	820	899	878	926	837	893	8,819
	17.4	17.8	19.3	20.0	18.2	20.0	19.4	20.4	18.4	19.6	18.0
Grey	1,320	1,407	1,539	1,447	1,425	1,519	1,512	1,353	1,438	1,400	14,360
	17.1	18.0	22.1	20.6	20.3	21.6	21.4	19.1	20.3	19.7	20.0
Haldimand	369	375	376	399	379	420	388	441	408	434	3,989
	14.5	14.6	17.7	18.5	17.7	19.6	18.0	20.4	18.7	20.0	17.9
Haliburton	422	408	344	364	369	407	448	408	216	204	3,590
	17.7	16.9	17.6	18.4	18.7	20.6	22.6	20.5	32.3	30.5	21.5
Halton	182	177	202	195	186	233	203	197	429	460	2,464
	26.4	25.6	30.8	29.4	28.1	35.2	30.6	29.6	21.5	23.0	28.0
Hastings	1,124	1,203	1,091	1,161	1,187	1,229	1,148	1,150	1,393	1,289	11,975
	17.5	18.5	18.4	19.4	19.8	20.5	19.1	19.1	23.1	21.3	19.6
Huron	1,254	1,159	1,133	1,149	1,156	1,121	1,151	1,130	1,166	1,091	11,510
	17.3	15.8	18.3	18.4	18.5	17.9	18.4	18.0	18.5	17.3	17.8
Kent	1,244	1,321	1,183	1,216	1,248	1,174	1,191	1,223	1,120	1,210	12,130
	19.5	20.5	20.6	21.0	21.5	20.2	20.5	21.0	19.1	20.6	20.4
Lambton	1,143	1,167	1,167	1,136	1,148	1,136	1,194	1,193	1,073	1,107	11,464
	19.2	19.4	20.6	19.9	20.1	19.8	20.8	20.7	18.5	19.1	19.8
Lanark	700	742	705	744	728	715	682	702	697	714	7,129
	17.1	17.9	18.9	19.8	19.4	19.0	18.1	18.5	18.4	18.8	18.5
Leeds and Grenville	969	1,012	994	1,059	1,081	1,140	1,118	1,124	1,162	1,117	10,776
	14.6	15.1	16.8	17.8	18.2	19.1	18.7	18.7	19.3	18.5	17.6
Lennox and Addington	472	420	465	405	436	410	431	360	404	401	4,204
	17.6	15.5	19.9	17.2	18.5	17.4	18.2	15.1	17.0	16.8	17.3
Lincoln	575	564	615	552	616	567	680	669	652	704	6,194
	17.6	17.1	20.1	17.9	20.0	18.3	22.0	21.6	20.9	22.6	19.8
Middlesex	1,651	1,673	1,639	1,625	1,803	1,917	1,839	1,883	1,929	1,997	17,956
	14.9	14.9	17.7	17.3	19.3	20.4	18.1	20.0	20.4	21.1	18.4
Muskoka	534	537	611	590	636	643	633	654	605	626	6,069
	29.7	29.5	29.1	27.8	30.1	30.3	29.8	30.7	28.3	28.8	29.4
Nipissing	955	961	1,068	1,077	1,332	1,321	1,608	1,457	1,742	1,607	5,128
	74.0	74.5	40.4	39.9	49.4	48.9	59.4	53.7	64.0	22.3	52.6
Norfolk	601	609	563	593	507	591	579	528	572	536	5,689
	17.8	17.9	19.3	20.1	17.2	20.0	19.6	18.2	19.3	18.0	18.7
Northumberland and Durham	1,168	1,146	1,035	1,144	1,058	1,169	1,121	1,110	1,164	1,164	11,279
	15.2	14.8	16.7	18.2	16.9	18.6	17.8	17.6	18.4	18.2	17.2
Ontario	842	858	796	878	769	958	798	805	860	885	8,449
	17.1	17.1	19.7	21.5	18.9	23.4	19.5	19.6	20.9	21.4	19.9
Oxford	1,000	998	1,033	1,038	964	976	1,001	975	986	994	9,965
	18.5	18.2	21.3	21.2	19.7	19.9	20.4	19.8	20.0	24.1	19.9
Parry Sound	675	684	701	738	766	771	657	814	759	855	7,420
	42.3	42.4	28.1	29.3	30.5	30.6	26.0	32.2	29.8	33.6	32.4
Peel	385	388	381	371	377	328	377	384	381	446	3,818
	14.2	14.2	17.7	17.1	17.4	15.1	17.3	17.6	17.4	20.3	16.8
Perth	993	991	972	997	978	1,034	1,033	1,054	1,029	1,004	10,085
	17.7	17.5	19.5	19.8	19.4	20.5	20.4	20.8	20.4	19.7	19.5
Peterborough	795	776	723	789	788	891	850	870	870	986	8,338
	20.7	20.1	20.0	21.6	21.7	24.4	23.3	23.7	23.7	26.8	22.6
Prescott and Russell	1,660	1,591	1,792	1,714	1,824	1,775	1,950	1,819	1,733	1,881	17,739
	36.1	34.2	37.9	35.9	38.3	37.1	40.7	37.9	16.0	38.9	35.3
Prince Edward	318	290	247	295	267	270	296	315	321	328	2,947
	15.5	14.0	13.8	16.3	14.8	14.9	16.3	17.3	17.6	17.9	15.8
Rainy River	257	329	302	291	327	343	356	382	441	457	3,485
	56.4	71.5	18.4	17.5	19.7	20.6	21.4	22.9	26.3	27.2	30.1
Renfrew	1,366	1,392	1,487	1,369	1,427	1,465	1,508	1,381	1,391	1,471	14,257
	27.3	27.6	28.2	25.7	26.8	27.5	28.2	25.8	25.9	27.3	27.1
Simcoe	1,593	1,759	1,659	1,765	1,873	1,937	1,986	1,957	2,032	2,115	18,676
	20.4	22.4	20.1	21.2	22.6	23.3	23.8	23.2	24.6	25.2	22.6
Stormont, Dundas and Glengarry	1,292	1,382	1,456	1,410	1,518	1,581	1,531	1,469	1,465	1,497	14,601
	17.1	18.1	21.1	20.3	21.8	22.7	21.9	21.0	20.9	21.2	20.6
Thunder Bay	203	262	252	323	379	493	501	638	784	962	4,797
	34.4	41.0	20.0	25.5	30.0	38.9	39.4	50.1	61.4	75.2	41.8
Victoria	675	692	678	724	711	648	685	727	686	774	7,000
	18.8	19.1	21.2	22.4	22.1	20.0	21.2	22.4	21.1	23.7	21.2
Waterloo	1,102	1,104	1,047	1,138	1,148	1,190	1,327	1,250	1,325	1,612	12,243
	20.1	19.9	19.9	21.4	21.6	22.4	24.9	23.4	24.7	30.0	22.8
Welland	625	647	626	631	676	661	728	749	738	857	6,938
	18.8	19.3	19.8	19.8	21.2	20.7	22.7	23.3	22.8	26.6	21.5
Wellington	1,018	1,118	1,022	1,074	1,054	1,086	1,065	1,076	1,099	1,134	10,746
	15.8	17.2	18.4	19.1	18.8	19.3	18.9	19.0	19.4	19.9	18.5
Wentworth	1,471	1,506	1,434	1,495	1,603	1,752	1,965	2,007	2,280	2,556	18,069
	17.2	17.4	18.0	18.6	20.0	21.8	24.4	24.9	28.2	31.5	22.2
York	5,342	5,940	5,852	6,447	6,508	6,852	7,572	7,908	8,721	10,421	62,563
	17.5	19.3	21.5	23.4	23.7	24.9	27.4	28.6	31.4	37.4	25.5

TABLE No. 5.—Showing the number of marriages registered and marriage rate per 1,000 of estimated population in each County of the Province for each of the ten years 1899-1908 inclusive.

Counties.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	Totals.
Total	16,514	17,107	18,035	18,072	19,830	19,789	20,426	19,846	21,915	21,058	192,592
	7.1	7.3	8.2	8.2	9.0	8.9	9.2	8.9	9.8	9.0	8.6
Algoma	209	268	370	357	477	401	464	387	482	475	3,890
	11.6	14.7	8.3	7.8	10.4	8.7	10.1	8.4	10.4	10.2	10.0
Brant	251	277	292	241	340	271	314	330	359	329	3,004
	6.3	6.9	7.7	6.2	8.8	7.0	8.0	8.5	9.2	8.4	7.7
Bruce	394	397	381	422	460	417	389	374	369	299	3,902
	5.6	5.6	6.4	7.1	7.7	7.0	6.5	6.2	6.1	4.9	6.3
Carleton	727	741	780	799	833	831	939	812	959	925	8,346
	8.6	8.7	8.0	8.2	8.5	8.4	9.5	8.2	9.7	9.3	8.7
Dufferin	162	163	169	189	190	160	141	142	134	140	1,590
	6.7	6.7	8.0	8.9	8.9	7.5	6.6	6.6	5.1	6.5	7.1
Elgin	310	354	359	307	360	353	369	315	341	396	3,464
	6.5	7.4	8.3	7.0	8.2	8.0	8.3	7.1	7.6	8.9	7.7
Essex	1,236	1,305	1,415	1,577	1,675	1,595	1,911	1,843	2,168	2,120	16,845
	20.5	21.4	24.2	26.7	28.4	27.0	32.2	31.0	36.2	35.8	28.3
Frontenac	301	332	322	274	370	349	324	307	356	326	3,291
	5.9	6.6	7.2	6.1	8.2	7.5	7.1	6.8	7.8	7.3	7.0
Grey	491	504	572	507	543	546	542	476	492	412	5,085
	6.3	6.4	8.2	7.2	7.7	7.7	7.7	6.7	6.8	5.8	7.0
Haldimand	155	155	174	139	188	189	182	127	151	174	1,634
	6.1	6.0	8.2	6.5	8.7	8.8	8.4	5.8	6.9	8.0	7.3
Halton	115	131	122	120	116	134	147	132	134	118	1,269
	4.8	5.4	6.2	6.1	5.8	6.8	7.4	6.6	6.7	5.9	6.1
Haliburton	49	45	49	43	42	50	27	41	32	37	415
	7.1	6.4	7.5	6.5	6.3	7.5	4.0	6.1	4.7	5.5	6.1
Hastings	470	498	500	530	509	461	466	448	493	486	4,861
	7.3	7.5	8.4	8.9	8.5	7.7	7.7	7.4	8.1	8.0	7.9
Huron	430	419	457	410	434	428	429	411	423	376	4,217
	5.9	5.7	7.4	6.6	6.9	6.8	6.8	6.5	6.7	5.9	6.5
Kent	469	437	518	513	485	453	403	437	402	425	4,542
	7.3	6.8	9.0	8.9	8.3	7.8	6.9	7.5	6.9	7.2	7.6
Lambton	436	419	432	485	462	479	485	466	509	483	4,656
	7.3	6.9	7.6	8.5	8.1	8.3	8.4	8.1	8.8	8.3	8.0
Lanark	264	279	293	240	263	274	260	260	249	225	2,605
	6.4	6.7	7.9	6.4	7.0	7.2	6.9	6.8	6.5	5.8	6.7
Leeds and Grenville	416	485	460	454	447	452	449	428	437	433	4,461
	6.3	7.3	7.8	7.6	7.5	7.6	7.5	7.1	7.5	7.1	7.3
Lennox and Addington	192	203	227	173	180	186	180	157	156	173	1,827
	7.1	7.5	9.7	7.3	7.6	7.8	7.6	6.6	6.0	7.2	7.4
Lincoln	197	224	175	223	223	232	237	240	236	231	2,218
	6.0	6.8	5.7	7.2	7.2	7.5	7.6	7.7	7.1	7.4	7.0
Middlesex	715	691	659	704	817	804	799	793	803	781	7,563
	6.4	6.2	7.1	7.5	8.7	8.5	8.5	8.4	9.0	8.2	7.8
Muskoka	134	156	159	143	166	183	172	173	167	150	1,603
	7.4	8.6	7.6	6.7	7.8	8.6	8.1	8.1	7.8	7.0	7.7
Nipissing	182	215	271	269	292	259	312	321	453	378	2,952
	14.2	16.6	10.2	9.9	10.8	9.5	11.5	11.8	16.7	13.8	12.5
Norfolk	241	238	204	246	233	213	212	203	232	208	2,230
	7.1	7.0	7.0	8.3	7.9	7.2	7.2	6.8	7.7	6.9	7.3
Northumberland and Durham	412	371	459	399	422	454	453	451	449	395	4,265
	5.3	4.8	7.4	6.3	6.7	7.2	7.2	7.1	7.1	6.2	6.5
Ontario	258	272	249	261	305	290	262	287	250	261	2,695
	5.2	5.4	6.1	6.4	7.4	7.1	6.4	6.9	6.0	6.3	6.3
Oxford	333	382	352	343	367	362	370	303	381	332	3,525
	6.1	7.0	7.3	7.0	7.5	7.4	7.5	6.1	7.7	6.7	7.0
Parry Sound	143	152	185	181	177	156	171	203	225	193	1,786
	8.9	9.4	7.4	7.2	7.0	6.1	6.7	8.0	8.1	7.5	7.6
Peel	112	142	124	129	153	165	144	144	128	153	1,395
	4.1	5.2	5.8	5.9	7.0	7.6	6.6	6.6	5.8	6.9	6.1
Perth	357	362	383	355	385	386	406	402	394	349	3,779
	6.3	6.4	7.7	7.0	7.6	7.6	8.0	7.9	7.7	6.8	7.3
Peterborough	223	258	258	312	330	337	319	323	303	294	2,957
	5.8	6.6	7.4	8.5	9.0	9.2	8.7	8.8	8.2	7.9	7.9
Prescott and Russell	325	392	372	328	375	358	375	326	402	333	3,587
	7.1	8.4	7.9	6.9	7.8	7.4	7.8	6.7	8.3	6.9	7.5
Prince Edward	136	132	120	123	144	124	131	134	147	139	1,330
	6.6	6.4	6.7	6.8	8.0	6.8	7.2	7.3	8.0	7.6	7.1
Rainy River	117	111	119	88	92	111	132	144	161	196	1,271
	25.7	24.1	7.2	5.3	5.5	6.6	7.9	8.6	9.6	11.6	11.2
Renfrew	338	406	316	329	403	400	382	374	384	370	3,732
	6.7	8.0	6.5	6.2	7.5	7.5	7.1	6.9	7.1	6.8	7.0
Simcoe	564	537	638	545	680	660	660	626	671	574	6,155
	7.2	6.8	7.7	6.6	8.2	7.9	7.9	7.5	8.0	6.8	7.4
Stormont, Dundas and Glengarry	463	460	459	428	493	470	485	448	487	436	4,627
	6.1	6.0	6.7	6.1	7.1	6.6	6.9	6.4	6.9	6.2	6.5
Thunder Bay	76	90	90	113	159	198	196	212	276	305	1,715
	12.8	15.1	7.2	8.9	12.5	15.5	15.4	16.6	21.6	23.8	14.9
Victoria	223	244	241	256	224	301	218	237	211	183	2,338
	6.2	6.7	7.5	7.9	6.9	9.3	6.7	7.0	6.4	5.6	7.0
Waterloo	352	402	413	432	454	451	422	418	482	463	4,289
	6.4	7.2	7.8	8.1	8.5	8.4	7.9	7.8	8.9	8.6	7.9
Welland	297	305	357	323	342	354	369	378	404	767	3,896
	8.9	9.1	11.3	10.1	10.7	11.1	11.5	11.8	12.5	23.7	22.0
Wellington	392	446	363	403	451	412	407	392	416	431	4,113
	6.1	6.8	6.5	7.2	8.0	7.3	7.2	6.9	7.3	7.5	7.0
Wentworth	603	572	645	658	725	772	840	850	951	887	7,503
	7.0	6.6	8.1	8.2	9.0	9.6	10.4	10.5	11.7	10.9	9.2
York	2,243	2,135	2,502	2,703	3,044	3,308	3,531	3,571	4,193	3,899	31,129
	7.3	6.9	9.2	9.8	11.0	12.0	12.8	12.1	15.1	14.0	11.0

TABLE No. 6.—Showing the number of Deaths registered and Death rate per 1,000 of estimated population in each County of the Province for each of the ten years, 1899-1908 inclusive.

Counties.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	Total.
Totals	28,607	29,494	29,608	27,864	29,664	31,290	31,371	32,782	33,502	32,714	303,896
	12.4	12.6	13.6	12.6	13.4	14.1	14.2	14.8	15.0	14.6	13.7
Algoma	288	432	461	631	569	541	620	651	566	596	5,355
	16.0	23.7	10.4	13.8	12.4	11.8	13.5	14.1	12.2	12.8	14.0
Brant	509	435	489	464	442	513	498	455	588	546	4,939
	12.9	10.9	12.8	12.0	11.5	13.8	12.9	11.7	15.4	14.0	12.7
Bruce	713	708	666	621	713	735	742	796	776	718	7,188
	10.1	10.0	11.3	10.4	12.0	12.3	12.4	13.3	12.9	11.4	11.6
Carleton	1,676	1,745	1,825	1,608	1,700	1,627	1,734	1,719	1,811	1,830	7,275
	19.9	20.5	18.8	16.4	17.4	16.6	17.6	17.2	18.3	18.5	18.1
Dufferin	246	257	238	192	242	269	263	287	256	218	2,468
	10.2	10.5	11.3	9.0	11.1	12.6	12.3	13.4	11.9	10.1	11.2
Elgin	492	492	535	469	480	586	489	575	550	562	5,230
	10.4	10.3	12.2	10.6	10.9	13.3	11.0	13.0	12.4	12.6	11.6
Essex	799	749	775	774	767	784	727	893	774	849	7,891
	12.2	12.3	13.3	13.1	13.0	13.2	12.2	15.0	13.0	14.2	13.1
Frontenac	651	705	710	613	724	640	643	691	706	611	6,697
	12.8	13.6	16.0	13.6	16.1	14.2	14.2	15.3	15.5	13.4	15.0
Grey	749	774	861	775	801	880	885	830	837	770	8,162
	9.7	9.9	12.3	11.0	11.4	11.1	12.5	11.7	11.8	10.8	11.2
Haldimand	261	251	261	243	210	266	245	267	240	211	2,455
	10.2	9.8	12.3	11.3	9.8	12.4	11.4	12.4	11.1	9.7	11.0
Halton	256	272	286	238	230	273	264	309	263	258	2,649
	4.7	11.3	14.6	12.1	11.6	13.8	13.3	15.5	15.2	12.9	12.3
Haliburton	71	63	73	67	80	81	74	77	84	78	758
	10.3	9.0	11.1	10.1	12.1	12.2	11.1	11.5	12.5	11.6	11.1
Hastings	715	747	676	691	710	728	730	718	851	771	7,337
	11.1	11.6	14.4	11.5	11.8	12.1	12.1	11.9	14.1	12.7	12.3
Huron	762	726	732	623	691	710	692	743	726	705	7,110
	10.5	9.9	11.8	10.0	11.1	11.3	11.0	11.7	11.1	11.1	10.9
Kent	772	748	768	694	672	742	746	777	801	735	7,455
	12.1	11.6	13.4	12.0	11.6	12.8	12.8	13.3	14.3	12.5	12.6
Lambton	731	706	751	693	695	704	742	782	770	702	7,276
	12.3	11.7	13.3	12.1	12.1	12.3	12.6	13.6	13.3	12.1	12.5
Lanark	462	482	492	439	446	510	516	466	480	484	4,777
	11.3	11.6	13.2	11.7	11.8	13.5	13.7	12.3	12.8	12.7	12.4
Leeds and Grenville	835	809	856	796	897	906	892	843	877	742	8,453
	12.6	12.1	14.4	13.4	15.1	15.2	14.9	13.2	14.6	12.3	13.7
Lennox and Addington	319	287	304	278	268	263	280	305	308	267	2,879
	11.9	10.6	13.0	11.8	11.4	11.1	12.2	12.8	12.1	11.2	11.8
Lincoln	439	461	433	390	390	488	472	492	450	424	4,439
	13.4	14.0	14.1	12.6	12.6	15.8	15.2	15.8	14.4	13.6	14.1
Middlesex	1,205	1,169	1,254	1,258	1,285	1,427	1,357	1,348	1,365	1,323	12,991
	10.9	10.4	13.5	13.4	13.7	15.2	14.4	14.3	14.4	13.9	13.4
Muskoka	233	208	245	238	250	281	334	294	238	275	2,656
	13.0	14.7	11.7	11.2	11.8	13.2	15.7	13.8	11.1	12.8	12.9
Nipissing	340	433	454	437	479	502	640	775	845	772	5,677
	26.6	33.7	17.0	16.2	17.7	13.4	13.0	28.5	31.0	28.3	22.5
Norfolk	399	387	393	393	342	421	366	372	348	385	3,806
	11.8	11.9	13.4	13.3	11.6	18.6	23.6	12.5	11.7	12.9	14.1
Northumberland and Durham	934	870	852	872	856	842	816	813	869	827	8,551
	12.2	11.9	13.7	13.9	13.7	14.3	12.4	12.9	13.7	13.0	13.1
Ontario	507	582	536	524	495	526	499	529	507	556	5,261
	10.3	11.7	13.3	12.8	12.1	12.9	12.2	12.9	12.3	13.5	12.4
Oxford	694	707	669	601	649	714	726	783	714	582	6,839
	12.8	12.9	13.8	12.3	13.3	14.6	14.8	15.9	14.5	10.7	13.5
Parry Sound	261	310	255	286	260	311	299	382	355	305	3,024
	16.3	19.2	10.2	11.3	10.3	12.6	13.4	5.1	14.0	11.9	12.4
Peel	292	261	283	235	268	288	306	261	270	253	2,717
	10.8	9.6	13.2	10.8	12.3	12.3	11.8	11.9	12.3	11.5	11.6
Perth	533	590	608	554	620	550	526	570	569	573	5,693
	9.5	10.4	12.2	10.0	12.3	13.2	14.0	11.2	11.2	11.2	11.5
Peterborough	516	479	460	518	539	552	489	518	507	517	5,059
	13.3	12.4	12.8	14.2	14.8	18.9	10.4	14.1	13.8	14.0	13.8
Prescott and Russell	705	747	857	662	784	704	758	713	811	739	7,480
	15.3	16.1	18.0	13.8	16.4	15.6	13.4	14.8	16.8	15.3	15.5
Prince Edward	249	249	277	248	239	231	243	244	268	281	2,529
	12.1	12.0	15.5	13.7	13.2	14.7	15.8	13.4	14.7	15.4	14.0
Rainy River	154	210	152	142	131	180	187	306	383	422	2,267
	33.8	45.6	9.3	8.5	7.9	10.8	11.2	18.3	22.8	25.1	19.3
Renfrew	516	572	646	594	639	644	726	673	644	585	6,239
	10.3	11.3	12.2	11.1	12.0	12.1	13.6	12.5	12.0	10.8	11.7
Simcoe	945	1,021	927	943	1,034	1,057	1,118	1,252	1,113	1,089	10,499
	12.1	13.0	11.2	11.3	12.4	12.7	13.4	15.0	13.3	12.9	12.7
Stormont, Dundas and Glengarry	906	835	880	795	794	952	912	901	950	893	8,818
	11.9	10.9	12.8	11.4	11.4	13.6	13.0	12.8	13.5	12.7	12.4
Thunder Bay	128	180	141	213	253	329	267	564	485	557	3,117
	21.7	30.2	11.5	16.8	20.0	25.0	21.0	44.3	37.9	43.5	27.1
Victoria	372	423	393	383	403	391	393	372	449	406	3,985
	10.4	11.7	12.3	11.9	12.5	12.1	12.1	11.4	13.8	12.4	12.0
Waterloo	613	664	619	531	599	613	635	682	681	664	6,301
	11.2	12.0	11.8	10.0	11.3	11.5	11.9	12.7	12.7	12.1	11.7
Welland	435	408	432	402	451	502	499	484	521	518	4,652
	13.1	11.8	13.7	12.6	14.1	15.7	15.6	15.1	16.2	16.0	14.3
Wellington	705	695	677	618	708	755	701	746	684	674	6,963
	10.9	10.6	12.2	10.0	12.6	13.4	12.4	13.2	12.0	11.8	11.9
Wentworth	1,099	1,126	1,167	1,103	1,172	1,341	1,318	1,388	1,419	1,511	12,644
	12.8	13.0	14.7	13.7	14.6	16.7	16.4	17.2	17.5	18.5	15.5
York	4,117	4,459	4,239	4,015	4,687	4,931	4,993	5,136	5,793	5,930	48,300
	13.5	14.5	15.6	14.5	17.0	17.9	18.1	14.9	20.8	21.3	16.8

TABLE No. 7.

Recapitulation of Causes of Death by Classes of Diseases in Counties, 1908.

Causes of Death by Classes of Diseases.	Total.	Ages.															Sex.			Months.											
		Under 0-1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Grand Total	32,714	8,662	889	445	282	252	619	528	800	2,368	2,048	1,972	2,449	3,277	4,223	3,515	385	17,536	15,100	78	3,057	3,004	2,995	2,828	2,778	2,460	2,557	2,836	2,771	2,694	2,343	2,391
IA. General (Epidemic) diseases	2,019	305	159	115	106	89	231	92	95	232	161	84	89	78	101	79	30	1,101	948		174	224	166	161	107	96	132	171	205	256	197	160
IB. Other general diseases....	5,081	109	56	26	20	24	78	107	274	909	693	648	741	695	487	156	58	2,366	2,715	..	161	509	494	473	479	450	367	382	378	381	330	374
II. Diseases of nervous system	3,320	594	177	73	34	26	64	65	59	114	128	201	304	454	664	329	34	1,757	1,563	..	320	322	323	323	321	268	255	245	249	241	221	232
III. Diseases of circulatory system	2,565	88	9	4	1	6	27	34	47	111	140	198	327	548	693	310	22	1,356	1,209	..	237	231	258	221	225	210	191	183	170	202	215	222
IV. Diseases of respiratory system	3,138	701	165	75	41	33	51	21	58	167	150	198	238	365	522	310	43	1,646	1,492	..	467	436	438	358	316	178	110	100	141	183	187	224
V. Diseases of digestive system	3,364	1,655	204	71	32	26	58	66	78	120	148	129	172	224	248	121	12	1,871	1,493	..	180	189	181	202	191	158	313	597	579	410	190	174
VI. Diseases of genito-urinary system	1,242	29	7	3	3	8	12	12	18	86	117	106	164	248	282	133	14	754	488	..	129	96	115	127	115	85	83	96	91	87	112	106
VII. The puerperal state	277	.....	....	....	....	....	....	....	8	128	104	28	1	1	....	....	7	.....	277	..	30	29	19	27	21	26	26	23	18	18	19	21
VIII. Diseases of the skin	216	17	4	1	1	...	3	2	1	16	11	14	25	26	51	40	1	128	88	..	15	20	21	20	32	18	18	19	6	13	18	16
IX. Diseases of the locomotor system	32	6	3	...	1	....	1	1	1	3	4	2	2	5	2	1	..	22	10	..	4	3	4	2	3	3	4	1	1	....	3	1
X. Malformations.....	158	158	....	....	....	....	....	....	....	....	....	....	....	....	....	....		90	67	1	21	14	12	17	14	13	10	12	11	9	12	13
XI. Early infancy	2,599	2,599	....	....	....	....	....	....	....	....	....	....	....	....	....	...		1,457	1,117	25	232	209	237	212	225	217	211	223	219	208	184	189
XII. Old age	2,433	.....	....	....	....	....	....	....	....	....	....	....	1	151	602	1,658	21	1,208	1,225	..	217	286	211	197	208	190	171	158	177	162	182	211
XIII. Violence and other external causes	1,705	65	31	39	27	30	54	81	97	353	261	171	118	112	104	65	67	1,369	333	3	142	104	109	109	172	207	191	152	145	117	154	106
XIV. Ill-defined diseases.....	2,768	569	74	38	16	10	37	47	61	129	128	193	237	370	167	313	76	1,432	1,331	5	221	180	215	205	208	179	293	342	264	255	194	212
XV. Still Births	1,767	1,767	...	.....	.....	....	.....	.....	..	.....	.....	..	.....	.....	....	....		979	744	44	177	152	162	174	141	162	146	132	141	119	128	130

TABLE No. 8.

Recapitulation of Causes of Death by Classes of Diseases in Cities, 1908.

Causes of Death by Classes of Diseases.	Total.	Ages.																Sex.			Months.											
		Under 0-1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Grand Total	11,283	3 577	378	180	94	106	239	170	247	846	717	746	878	1,069	1,135	806	95	5,964	5,285	34	1,061	962	1,016	928	932	806	935	1,069	963	930	857	824
IA. General (Epidemic) diseases	714	89	69	59	43	40	105	35	33	71	52	21	45	29	21	15	11	419	325	..	65	63	55	51	36	36	69	58	72	98	79	59
IB. Other general diseases	1,708	53	34	12	4	8	34	34	85	306	231	243	239	245	133	36	11	797	911	..	150	151	187	140	151	145	142	129	134	113	128	138
II. Diseases of nervous system	1,184	241	93	35	11	14	23	21	18	50	48	69	102	160	192	93	11	635	549	..	126	90	96	98	109	86	102	106	104	91	80	96
III. Diseases of circulatory system	986	65	4	3	....	2	16	15	22	65	61	85	124	207	199	110	8	505	481	..	90	84	97	88	90	69	66	81	67	77	84	93
IV. Diseases of respiratory system	1,221	294	73	29	17	15	11	5	18	81	58	90	102	136	183	97	12	625	596	..	182	172	166	132	121	68	37	42	56	83	73	89
V. Diseases of digestive system	1,332	766	70	19	7	7	22	18	23	57	63	60	64	70	49	33	4	726	606	..	61	60	59	74	71	63	137	302	192	156	82	75
VI. Diseases of genito-urinary system	163	14	3	1	1	5	7	6	8	38	51	46	79	87	80	35	2	267	196	.	58	31	46	44	34	31	32	35	37	37	42	36
VII. The puerperal state	82	.....	....	....	....	....	....	....	2	40	30	8	1	....	....	....	1	.....	82	..	13	4	5	9	8	9	6	5	5	5	5	8
VIII. Diseases of the skin	61	5	3	....	....	....	....	....	1	3	5	8	7	9	11	9	..	30	31		5	8	8	7	7	6	2	4	2	3	6	3
IX. Diseases of locomotor system	14	2	....	....	....	....	....	1	1	....	4	2	1	1	1	1	.	10	4	..	3	1	1	1	2	....	2	....	2	....	2	....
X. Malformations	55	55	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	24	31		11	4	2	4	7	7	1	6	2	3	5	3
XI. Early infancy	1,027	1,027	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	565	451	11	91	90	87	79	101	83	96	89	89	78	77	67
XII. Old age	505	.....	....	....	....	....	....	....	....	....	....	....	....	38	168	299	..	211	294		48	63	49	46	35	40	52	32	34	34	37	35
XIII. Violence and other external causes	550	27	8	13	7	8	18	28	21	106	92	58	50	29	36	28	21	430	117	3	41	31	29	32	59	59	65	47	59	32	66	30
XIV. Ill-defined diseases	632	220	21	9	1	1	3	7	15	29	22	56	64	58	62	50	14	324	305	3	51	45	67	51	50	47	57	72	60	57	35	40
XV. Still births	719	719	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	396	306	17	66	65	62	72	51	54	69	61	48	63	56	52

TABLE No. 9.

Recapitulation of Causes of Death by Classes of Diseases in Towns, 1908.

Causes of Death by Classes of Diseases.	Total.	Ages.																Sex.			Months.											
		Under 0-1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Grand Total	2,093	522	46	30	23	10	27	45	70	235	204	132	169	172	207	159	42	1,225	865	3	183	174	166	145	173	173	170	205	185	215	143	161
IA. General (Epidemic) diseases	214	28	8	9	10	2	8	11	14	48	37	16	10	3	2	3	5	140	74	..	12	13	12	6	9	3	7	20	25	17	34	26
IB. Other general diseases	315	5	1	1	1	1	6	10	19	61	48	31	50	37	23	9	12	153	162	..	32	29	22	35	28	32	23	25	20	30	16	23
II. Diseases of nervous system	166	22	5	6	2	1	4	4	9	8	10	7	21	20	27	15	2	84	82	..	13	23	13	17	20	20	8	8	9	10	14	11
III. Diseases of circulatory system	136	1	1	....	....	....	1	2	1	3	12	8	22	30	41	12	2	80	56	..	15	12	13	9	14	9	8	9	14	13	8	12
IV. Diseases of respiratory system	178	32	13	3	3	1	3	2	5	15	11	12	12	23	18	16	6	103	75	..	30	21	16	17	22	12	6	9	6	19	7	10
V. Diseases of digestive system	257	131	16	8	2	1	2	8	7	7	15	9	12	17	16	6	..	142	115	..	10	8	12	17	7	11	27	61	55	31	9	9
VI. Diseases of genito-urinary system	78	3	....	....	1	....	....	....	1	10	7	10	10	16	15	5	..	53	25	..	7	8	5	6	11	7	6	8	4	5	4	7
VII. The puerperal state	15	.....	....	....	....	....	....	....	1	7	3	3	....	....	....	....	1	.....	15	..	1	2	1	1	2	1	1	1	1	....	1	3
VIII. Diseases of the skin	18	2	....	....	1	....	1	....	....	....	4	2	2	1	3	2	..	14	4	..	1	....	....	1	2	....	4	5	2	....	1	2
IX. Diseases of locomotor system	2	.....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	..	1	1	..	....	....	....	....	....	....	1	....	1	....	....	....
X. Malformations	7	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	3	4	..	2	3	2	1	....	....	1	1	....	1	3	....
XI. Early infancy	160	160	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	88	70	2	12	7	17	5	11	17	21	9	11	15	6	16
XII. Old age	132	.....	....	....	....	....	....	....	....	....	....	....	....	12	37	81	2	66	66	..	9	20	13	10	9	12	10	10	11	12	12	4
XIII. Violence and other external causes	209	4	1	3	2	1	1	7	12	61	41	27	13	3	7	6	11	186	23	..	21	14	21	15	16	29	23	18	14	16	10	11
XIV. Ill-defined causes	107	28	1	....	1	....	1	1	1	10	10	7	14	10	18	1	1	58	19	..	6	6	6	4	9	9	9	11	7	11	10	19
XV. Still births	99	99	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	54	11	1	12	5	13	3	10	11	12	10	5	5	8	5

TABLE

Showing Total Deaths by Individual

CAUSES OF DEATH.	Total.	Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Haliburton.	Halton.	Hastings.
Grand Total	32,714	596	546	718	1,830	218	562	849	611	770	211	78	258	771
I—General Diseases.														
(A—Epidemic Diseases.)														
Group Total	2,049	45	31	46	120	10	34	65	22	54	11	3	16	41
1. Typhoid Fever	662	23	14	13	26	....	13	23	9	7	4	1	3	12
2. Malarial Fever	4	....	....	....	....	1	....	....	....	....	....	....	....	....
3. Smallpox	2	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Measles	38	1	....	3	3	....	....	4	....	2	....	....	....	1
5. Scarlet Fever	163	1	1	2	5	2	....	1	3	....	2	....	1	2
6. Whooping Cough	246	4	....	2	50	2	3	2	8	6	....	....	....	11
7. Diphtheria and Croup	450	11	3	1	16	....	4	23	....	15	1	1	6	8
8. Influenza	292	3	9	12	14	2	10	11	1	5	2	1	5	6
9. Dysentery	112	1	4	12	1	1	2	....	1	13	1	....	1	1
10. Erysipelas	67	1	....	1	4	2	2	....	....	4	1	....	....	....
11. Other epidemic diseases	13	....	....	....	1	....	....	1	....	2	....	....	....	....
(B.—Other General Diseases.)														
Group Total	5,081	63	88	124	262	37	73	123	103	108	37	6	41	117
12. Septicæmia	157	3	4	7	6	2	2	4	6	....	....	....	1	1
13. Tuberculosis of Lungs	2,129	32	36	51	114	12	27	57	45	39	12	3	12	49
14. Tuberculosis of Larynx	23	1	....	....	....	1	....	....	....	....	....	....	2	....
15. Tuberculous Meningitis	115	2	....	3	5	.. .	1	6	1	....	1	1	....	2
16. Abdominal Tuberculosis	77	3	1	2	4	....	....	....	....	1	....	....	....	....
17. Pott's Disease	8	....	....	....	1	....	....	....	....	....	....	....	....	....
18. Tuberculous Abscess	6	....	....	....	2	....	....	....	....	....	....	....	....	....
19. White Swelling	3	....	....	....	1	....	....	....	....	....	....	....	....	....
20. Tuberculosis of other organs	57	1	....	2	3	2	4	....	1	2	....	....	....	2
21. General Tuberculosis	87	4	1	10	3	....	1	4	....	1	....	....	....	....
22. Scrofula	6	....	1	....	1	....	....	....	....	....	....	....	....	....
23. Venereal Diseases	20	....	....	1	1	....	1	....	....	....	..	....	....	....
24. Cancer of Mouth	24	....	1	....	....	....	1	....	2	1	....	....	....	....
25. Cancer of Stomach and Liver	419	2	7	8	25	5	5	14	4	14	3	....	6	12
26. Cancer of Intestines	106	....	5	2	7	....	....	5	3	2	1	....	2	2
27. Cancer of Genital Organs	113	1	4	3	5	1	2	5	....	2	2	....	2	7
28. Cancer of Breast	82	....	....	4	9	1	....	1	....	2	....	....	....	1
29. Cancer of Skin	32	....	....	..	4	1	....	1	1	1	....	....	....	....
30. Cancer of other unspecified organs	572	8	7	11	19	1	11	17	16	16	7	1	3	16
31. Tumors	88	....	....	....	4	....	1	....	1	2	....	....	1	2
32. Rheumatism	235	3	3	3	11	3	8	3	8	4	4	1	2	7
33. Diabetes	219	1	8	2	12	2	6	2	8	7	4	....	2	4
34. Anæmia, Leukæmia	358	....	10	10	13	4	3	3	3	11	2	....	3	10
35. Alcoholism	71	2	....	3	5	2	....	1	3	1	....	....	2	2
36. Chronic Poisonings	5	....	....	....	....	....	....	....	....	....	....	....	....	....
37. Other General diseases	71	....	....	2	7	....	....	....	1	2	1	....	3	....
II.—Diseases of Nervous System.														
Group Total	3,320	48	68	83	170	20	80	60	66	74	26	5	28	73
38. Encephalitis	44	4	....	1	1	2	....	1	3	...	....	....	....	3
39. Meningitis	146	8	13	4	35	3	11	16	9	10	3	2	3	7
40. Locomotor Ataxia	31	....	...	2	4	1	1	....	....	1	1	...	1	....
41. Other diseases of spinal cord	96	....	....	2	2	....	1	1	1	2	....	....	....	3
42. Apoplexy	965	13	26	30	39	2	17	14	15	21	11	2	15	25
43. Softening of the Brain	14	....	....	1	....	....	7	1	....	2	1	....	....	1
44. Paralysis	709	2	11	21	38	6	25	9	23	18	7	1	2	22
45. General Paralysis of Insane	7	....	....	....	1	....	....	....	....	....	....	....	....	....
46. Other forms of mental disease	69	....	....	....	2	....	1	2	....	3	....	....	....	2
47. Other diseases of brain	48	1	....	....	1	....	....	1	....	....	....	....	....	....
48. Epilepsy	103	3	....	1	2	....	....	2	4	2	....	....	1	1
49. Convulsions	578	15	11	17	30	4	17	7	9	11	3	...	2	5
50. Tetanus	26	....	2	....	3	1	....	....	....	....	....	...	1	....
51. Other diseases of nervous system	154	2	5	4	12	1	5	6	2	4	....	....	3	4

No. 10.

Diseases in each County, 1908.

Huron.	Kent.	Lambton.	Lanark.	Leeds and Grenville.	Lennox and Addington.	Lincoln.	Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northumberland and Durham.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott and Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, Dundas and Glengarry.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Numbers.
705	735	702	484	742	267	424	1,323	275	772	385	827	556	582	305	253	573	517	739	281	422	585	1,089	893	557	406	664	518	674	1,511	5,930	
39	46	40	16	37	19	8	44	13	64	33	44	32	34	30	11	22	17	58	11	80	35	70	55	75	25	37	35	39	64	418	
13	10	19	7	10	7	1	11	2	35	13	9	7	9	20	1	5	4	14	2	68	21	25	24	36	7	12	12	13	14	83	1
....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	3
3	....	....	1	....	....	....	....	....	2	..	1	..	4	1	....	..	1	1	....	....	....	....	2	3	....	1	2	....	2	....	4
1	4	2	1	1	5	1	....	....	..	2	3	4	....	....	..	2	2	3	1	4	1	2	....	18	13	3	6	1	10	53	5
7	7	5	1	10	2	3	5	1	..	..	5	7	5	..	1	..	1	21	6	3	1	13	3	3	1	....	2	8	10	27	6
1	4	4	2	7	2	2	4	5	22	4	5	7	2	4	..	4	2	8	1	5	6	16	13	11	3	6	9	2	13	187	7
4	18	4	2	4	..	....	15	5	2	12	6	5	6	1	4	11	5	10	....	....	2	7	11	1	1	9	3	10	8	45	8
8	....	1	1	3	2	1	4	....	2	..	14	1	6	2	4	..	1	1	....	1	....	3	....	2	..	4	1	....	7	5	9
....	2	5	1	1	..	....	2	....	1	1	1	..	2	2	1	..	1	..	1	..	3	3	2	..	..	3	..	3	2	15	10
2	1	....	....	....	1	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	11
141	110	127	87	143	44	68	252	55	61	49	122	91	118	29	51	94	95	70	45	36	63	177	173	46	48	123	75	126	233	947	
3	5	2	3	9	1	1	10	....	3	2	....	3	4	..	3	2	3	1	..	1	1	4	2	..	1	5	..	1	9	42	12
52	44	47	44	59	27	29	98	36	33	21	58	41	35	14	17	30	35	39	15	16	25	70	92	19	12	39	31	45	109	408	13
1	....	1	1	....	..	....	5	....	....	..	1	..	....	....	....	....	....	2	1	....	....	....	....	1	..	....	1	....	2	3	14
4	2	2	2	1	1	2	8	1	4	..	....	1	3	....	....	2	4	....	2	5	5	..	1	2	..	2	4	35	15
1	1	....	2	....	..	2	2	2	1	1	1	1	6	....	1	3	2	2	2	1	..	5	3	5	..	6	....	5	11	16
....	....	....	....	....	..	1	....	....	....	....	....	..	1	....	....	1	....	....	....	....	....	1	....	....	....	....	1	....	1	17	
....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	1	....	....	....	....	1	18	
....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	19	
2	1	5	....	5	..	....	1	....	....	....	2	..	2	....	2	....	....	....	....	....	....	....	2	1	1	1	..	2	1	13	20
2	....	....	....	1	..	....	4	....	1	1	....	1	3	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	48	21
..	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	22
1	....	1	....	1	..	....	1	....	1	....	....	....	....	....	....	....	....	....	1	..	....	1	....	....	....	....	....	....	3	7	23
..	....	....	....	....	..	....	1	....	....	....	....	2	....	1	1	....	....	1	....	....	....	2	1	..	2	2	1	1	3	1	24
15	14	15	7	7	..	3	20	4	1	2	12	10	10	3	8	10	6	1	5	3	2	13	8	4	6	18	8	7	18	74	25
2	....	2	1	2	..	1	6	....	....	....	3	1	1	..	2	1	....	5	..	1	....	5	4	..	2	4	1	5	8	20	26
2	5	....	1	1	..	3	6	1	....	....	1	1	1	..	1	3	..	2	..	2	....	3	....	..	1	5	2	6	4	27	27
1	....	4	....	....	1	2	3	....	1	1	2	2	4	3	4	1	3	1	....	....	2	3	2	....	....	3	1	3	3	14	28
1	1	2	....	1	..	1	1	....	....	4	....	1	....	3	....	....	....	....	....	....	....	....	4	....	....	1	..	1	....	3	29
19	15	14	11	19	4	6	35	4	4	6	12	6	12	1	7	12	10	7	8	3	6	18	19	5	12	9	14	20	20	101	30
4	1	1	1	3	3	1	5	....	....	....	4	4	3	....	....	3	4	....	....	1	1	1	6	..	2	6	2	2	6	14	31
9	5	8	2	10	..	....	20	2	1	5	8	6	8	2	3	7	6	3	1	3	5	10	6	1	..	8	..	6	9	21	32
6	6	6	2	3	2	4	12	3	6	2	6	3	10	1	4	6	4	3	3	1	3	8	6	2	3	4	4	3	10	25	33
11	5	11	9	19	2	8	13	1	2	4	10	6	12	3	2	9	12	2	1	..	9	24	12	2	4	8	7	17	11	48	34
1	1	5	....	....	..	1	1	....	3	....	....	1	1	....	....	....	....	1	1	6	2	2	....	5	1	1	1	3	2	11	35
....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2	....	2	36
4	4	1	1	2	3	2	...	1	....	1	1	2	1	....	5	3	3	....	....	1	1	1	1	....	....	1	..	....	5	13	37
65	64	81	52	74	29	57	151	19	38	39	94	64	65	25	18	73	39	41	44	19	49	98	90	33	45	79	52	64	184	674	
3	2	2	1	....	..	2	1	....	2	1	..	..	....	1	..	....	4	....	..	1	....	....	....	1	..	1	..	1	2	4	38
7	7	7	3	8	4	6	16	5	7	3	8	8	11	5	1	15	2	10	5	5	4	17	9	5	3	7	7	5	19	103	39
1	1	....	2	....	..	1	4	....	..	1	2	1	2	....	..	..	1	....	....	....	....	....	....	....	....	....	....	1	....	3	40
4	5	5	3	3	1	....	3	....	2	1	1	2	3	....	..	..	..	1	1	2	1	1	3	7	1	....	3	3	5	23	41
23	20	33	17	26	10	14	48	6	5	13	26	27	22	4	3	32	15	7	13	5	11	16	30	6	13	25	14	16	66	169	42
1	1	....	1	....	..	1	1	....	..	2	3	1	....	..	2	..	1	..	2	1	1	1	2	..	1	3	1	1	2	7	43
10	14	16	14	17	11	17	37	2	4	8	25	16	12	6	4	12	8	10	12	2	10	19	25	2	14	16	20	16	37	108	44
2	....	....	....	1	..	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	45
..	....	2	1	4	1	1	4	....	....	....	3	1	1	....	4	1	....	....	1	2	1	2	1	..	1	....	..	4	15	12	46
2	....	....	1	1	..	1	5	....	1	..	2	..	4	....	....	....	1	2	..	1	....	1	....	..	1	..	1	1	3	17	47
...	1	2	....	4	1	2	8	1	..	1	5	3	2	3	1	1	1	..	1	..	2	13	2	..	2	2	..	1	5	23	48
6	7	7	9	7	1	9	18	4	15	9	17	4	5	5	7	7	5	5	3	5	13	18	12	17	8	22	6	9	25	162	49
..	2	2	....	2	..	1	1	....	..	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	..	1	..	2	1	3	50
6	4	5	....	1	..	2	4	...	2	..	2	1	2	1	..	1	4	3	4	..	4	8	2	1	1	1	1	4	4	38	51

TABLE

Showing Total Deaths by Individual

CAUSES OF DEATH.	Total.	Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Haliburton.	Halton.	Hastings.
III.—Diseases of Circulatory System.														
Group Total	2,565	16	61	40	140	23	56	80	48	68	19	5	22	46
52. Pericarditis	22	....	....	2	3	1	....	....	....	....	....	....	....	....
53. Endocarditis	200	2	5	2	23	3	....	9	....	5	....	....	2	3
54. Heart Disease	1,698	11	35	31	82	13	44	35	36	47	17	4	14	28
55. Angina Pectoris	74	1	6	1	....	....	....	3	....	2	....	1	1	1
56. Diseases of Arteries	381	....	12	4	16	6	6	29	7	11	2	....	2	9
57. Embolism and Thrombosis	79	....	1	....	7	....	3	2	3	....	....	....	1	1
58. Diseases of Veins	9	....	....	....	....	....	....	....	....	1	....	....	1	....
59. Diseases of Lymphatics	6	....	....	....	....	....	1	....	....	....	....	....	....	....
60. Other diseases of circulatory system	96	2	2	....	8	....	2	2	2	2	....	....	1	4
IV.—Diseases of Respiratory System.														
Group Total	3 138	64	41	69	203	22	54	82	62	79	21	7	36	71
61. Diseases of Larynx	43	5	....	1	2	....	1	2	1	1	....	....	....	1
62. Diseases of the Thyroid Body	14	....	1	1	....	....	....	....	1	....	....	....	....	....
63. Acute Bronchitis	312	2	....	9	17	2	....	....	....	19	4	....	3	6
64. Chronic Bronchitis	216	9	7	11	7	6	2	4	13	3	1	....	1	4
65. Broncho-Pneumonia	397	6	2	8	38	2	3	6	5	5	1	1	4	5
66. Pneumonia	1,786	33	26	30	106	9	44	60	32	44	12	4	17	48
67. Pleurisy	101	1	1	3	11	1	....	3	3	4	2	2	2	....
68. Congestion of Lungs	97	1	2	2	7	1	1	2	2	1	....	....	1	2
69. Gangrene of Lungs	5	....	....	....	....	....	....	....	....	....	....	....	....	....
70. Asthma and Emphysema	107	1	2	1	5	....	1	1	4	2	1	....	2	4
71. Hemorrhage of Lungs	26	....	....	....	3	....	....	....	1	....	....	....	....	....
72. Other diseases of respiratory system, Phthisis excepted	34	6	....	3	7	1	2	4	....	....	....	....	....	1
V.—Diseases of Digestive System.														
Group Total	3,364	70	60	66	227	32	64	63	71	77	19	4	17	73
73. Diseases of Mouth	2	....	....	....	....	....	....	....	....	....	1	....	....	....
74. Tonsilitis	18	....	....	....	....	....	....	....	....	1	....	....	....	....
75. Other diseases of pharynx	12	....	....	....	1	....	....	1	1	....	....	....	....	1
76. Ulcer of Stomach	47	1	....	1	2	....	....	1	1	1	....	....	2	....
77. Gastritis	118	2	....	5	9	1	1	2	3	4	....	....	....	3
78. Other diseases of the stomach	447	7	15	13	19	4	15	5	5	15	3	....	2	9
79. Dentition	29	1	1	....	....	....	....	....	1	....	1	....	....	....
80. Diarrhœa and Enteritis (under 2 years)	1,375	33	26	20	115	5	20	29	25	16	6	1	4	28
81. Diarrhea and Enteritis (2 years and over)	286	2	5	5	13	3	3	5	2	6	3	2	3	5
82. Hernia	52	....	1	1	3	1	....	1	2	4	....	....	1	....
83. Obstruction of Intestines	171	4	3	4	10	2	2	2	4	7	1	1	....	1
84. Other diseases of Intestines	127	6	3	5	10	2	9	7	5	....	....	....	2	5
85. Acute Yellow Atrophy of Liver	8	....	....	....	....	....	....	....	....	1	....	....	....	....
86. Hydatid Tumors of Liver	3	....	....	....	1	....	1	....	....	....	....	....	....	....
87. Cirrhosis of Liver	92	4	....	1	7	....	3	2	7	3	....	....	1	2
88. Biliary Calculi	26	....	1	....	....	1	....	....	....	....	....	....	....	1
89. Other diseases of Liver	125	....	5	2	3	2	3	2	5	6	1	....	2	8
90. Diseases of Spleen	8	....	....	....	....	....	....	....	1	....	....	....	....	....
91. Peritonitis, non-puerperal	214	4	....	6	21	....	4	2	4	3	2	....	....	5
92. Appendicitis	215	6	1	3	13	1	3	3	5	10	....	....	....	5
93. Other diseases of the digestive system (cancer and tuberculosis excepted)	9	....	....	....	....	....	....	1	....	....	....	....	....	....
VI.—Diseases of Genito-Urinary System.														
Group Total	1,242	12	9	24	54	11	21	32	34	36	10	1	12	26
94. Acute Nephritis	97	1	....	1	10	....	....	1	2	3	....	....	1	5
95. Bright's Disease	786	8	6	12	33	5	15	23	23	23	5	....	9	17
96. Other diseases of Kidneys	110	....	....	4	3	2	4	....	3	3	1	....	2	1
97. Calculi of Urinary Tract	9	....	....	....	....	....	....	....	....	....	....	....	....	....
98. Diseases of Bladder	125	2	2	5	5	2	....	3	2	5	3	1	....	1
99. Diseases of male genital organs (non-venereal)	10	....	....	....	....	....	....	....	....	1	1	....	....	....
100. Uterine Tumor	6	....	....	1	....	....	....	1	1	1	....	....	....	....
101. Other diseases of uterus	9	....	....	....	....	....	....	1	1	....	....	....	....	....
102. Ovarian Tumor	10	....	....	....	....	....	....	1	....	....	....	....	....	....
103. Diseases of the Tubes	5	....	....	....	....	....	....	....	....	....	....	....	....	....
104. Diseases of Female Genital Organs (non-venereal)	6	....	1	....	....	....	....	....	1	....	....	....	....	....
105. Other diseases of the genito-urinary system	69	1	....	1	3	2	2	2	1	....	....	....	....	2

No. 10.—Continued.

Diseases in each County, 1908.—Continued.

Huron.	Kent.	Lambton.	Lanark.	Leeds and Grenville.	Lennox and Addington.	Lincoln.	Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northumberland and Durham.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott and Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, Dundas and Glengarry.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Numbers.
73	59	56	38	83	25	23	114	18	23	30	70	41	50	19	13	41	43	33	14	13	26	78	59	18	25	58	38	75	133	552	
....	1	....	....	..	..	....	3	....	..	2	1	..	..	..	..	1	..	..	..	1	..	1	....	..	..	....	1	1	2	2	52
5	3	6	3	5	1	1	8	2	4	..	4	..	1	3	1	14	2	7	..	1	1	5	10	..	3	1	..	2	13	40	53
50	47	32	30	58	24	18	65	15	15	18	49	26	34	13	10	16	31	17	11	5	22	50	31	10	18	38	34	55	76	382	54
....	1	....	....	4	..	....	2	1	..	1	3	4	3	..	..	..	1	4	1	..	1	1	7	..	2	4	..	1	3	14	55
8	3	14	3	12	..	2	29	....	..	7	11	8	8	2	2	8	9	3	1	..	1	11	7	1	2	11	1	12	29	72	56
9	2	....	1	4	..	....	3	....	1	1	....	3	2	..	..	2	..	1	..	2	1	5	1	1	..	1	1	....	4	16	57
....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	..	..	1	....	....	....	2	58
....	....	1	....	....	..	....	....	....	....	....	....	....	1	1	..	..	..	....	....	....	....	....	....	1	..	....	1	....	....	....	59
1	2	3	1	....	..	1	4	....	3	1	2	..	1	..	..	..	..	1	1	4	..	3	2	5	..	2	..	4	6	24	60
62	76	59	44	57	19	43	145	20	69	47	75	59	52	22	25	58	34	69	22	29	52	96	67	51	34	55	45	32	131	684	
....	....	2	1	....	1	....	3	1	1	2	2	..	..	..	..	2	1	2	..	..	1	....	....	1	1	1	2	2	....	3	61
....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	..	1	..	..	....	....	....	1	....	1	..	....	3	....	1	3	62
5	5	3	5	3	2	4	12	2	12	7	7	3	1	3	2	4	5	7	2	2	5	17	14	5	8	9	4	3	16	73	63
5	6	3	2	3	2	6	15	....	3	4	2	5	5	..	..	10	5	..	..	1	6	7	7	1	4	5	..	3	6	32	64
4	6	5	3	7	1	6	8	1	12	1	10	7	5	3	3	9	2	5	2	3	3	6	6	11	..	7	5	3	23	144	65
33	51	32	27	32	12	20	86	14	38	26	44	38	35	12	17	30	15	48	15	22	28	53	34	31	16	27	27	17	72	369	66
2	5	5	2	2	..	3	2	....	..	1	5	1	4	1	1	1	..	1	2	..	3	7	2	..	..	....	1	....	5	12	67
7	1	2	1	2	1	2	8	1	..	2	....	1	....	1	..	1	1	2	1	..	1	3	3	..	1	3	2	3	2	23	68
....	....	2	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	69
4	2	3	3	5	..	1	6	1	2	4	5	2	1	2	2	..	5	2	..	1	4	2	1	1	4	2	1	....	4	13	70
1	....	2	....	1	..	....	3	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	..	....	1	..	1	2	8	71
1	....	....	....	2	..	....	2	....	....	..	....	..	....	..	..	..	..	2	..	..	..	....	....	..	..	....	..	....	....	3	72
53	71	75	37	85	16	44	108	25	87	35	95	51	52	28	25	56	67	107	32	36	50	102	83	88	31	65	41	52	184	650	
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	73
....	....	....	....	....	....	....	....	1	4	..	2	1	....	..	1	..	1	....	..	1	..	1	....	1	..	1	1	....	1	1	74
....	1	....	....	1	....	....	....	1	2	1	....	..	1	....	....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	75
....	1	3	1	1	..	..	4	1	..	3	....	..	2	....	3	..	2	....	1	5	2	1	2	1	..	1	3	1	3	1	76
....	2	2	3	3	....	3	5	....	..	4	4	4	1	2	..	1	3	....	1	....	..	2	2	2	1	2	1	....	4	40	77
9	8	4	10	6	4	5	9	4	8	7	15	6	7	4	4	7	15	6	7	4	9	16	13	6	6	9	8	7	14	98	78
1	1	....	....	....	....	....	....	....	4	....	1	....	....	1	..	1	..	8	....	....	2	....	3	....	....	....	2	1	....	....	....	79
12	27	33	7	34	6	10	41	6	47	11	30	18	17	8	7	16	22	65	8	22	18	36	25	62	5	20	15	18	114	287	80
7	2	5	3	10	3	4	10	1	7	2	23	4	3	4	2	6	7	8	2	2	6	11	8	2	5	12	3	5	18	24	81
2	1	....	2	1	....	....	1	....	....	....	1	..	2	....	....	....	....	2	1	2	....	....	1	..	4	3	..	....	....	....	15	82
5	6	3	1	4	1	3	8	2	1	3	3	4	1	5	4	3	1	1	4	1	2	3	1	1	3	2	2	3	5	45	83
2	4	3	....	2	..	5	4	1	2	4	2	2	2	..	1	1	1	3	..	2	..	2	9	2	....	1	4	1	4	13	84
....	....	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	....	....	1	....	85
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	86
4	1	....	1	5	..	4	1	....	2	..	4	1	2	1	2	1	4	....	..	1	3	1	....	....	....	....	4	....	4	16	87
....	1	3	....	....	....	....	....	....	....	....	1	2	1	1	..	4	1	....	..	..	1	1	....	....	....	....	1	3	2	1	88
3	4	4	1	4	..	2	6	1	1	..	6	2	3	....	..	4	5	1	3	..	1	8	5	1	2	1	1	3	5	9	89
1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	1	....	2	90
5	9	7	5	6	1	2	5	4	3	1	1	4	6	1	3	..	1	6	2	1	4	4	7	3	..	1	1	....	9	60	91
2	3	8	1	8	1	6	9	2	6	3	2	3	4	1	1	7	6	5	2	..	3	12	6	6	1	11	1	7	3	35	92
....	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	2	....	....	1	....	....	....	....	....	....	....	....	....	....	2	93
33	21	35	23	43	16	15	64	6	22	22	36	21	19	7	14	14	26	19	11	7	22	34	29	6	14	31	20	27	66	237	
2	....	2	2	....	..	1	3	1	4	2	....	4	....	2	2	2	2	2	..	2	....	....	4	2	3	3	4	....	9	15	94
17	15	29	16	32	12	6	41	3	12	17	21	10	11	3	8	8	15	11	7	4	14	18	11	3	8	25	8	20	41	161	95
1	1	3	3	1	4	3	9	2	2	1	....	2	2	1	2	1	4	3	3	1	2	3	7	1	..	1	3	2	5	14	96
....	2	....	....	....	....	....	....	....	1	..	2	..	1	..	1	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	97
7	2	1	....	6	..	1	4	....	3	2	9	2	4	1	1	1	3	2	1	..	3	7	3	..	2	....	2	2	4	21	98
....	....	....	....	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	3	99
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	100
....	....	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	101
....	1	....	1	....	..	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	2	102
....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	1	103
																													1	2	104
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
5	....	....	....	....	..	3	5	....	..	..	3	2	1	..	..	2	1	1	....	1	5	3	..	1	1	3	1	3	14	105

TABLE

Showing Total Deaths by Individual

CAUSES OF DEATH.	Total.	Algoma.	Brant.	Bruce.	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Haliburton.	Halton.	Hastings.
VII.—The Puerperal State.														
Group Total	277	8	3	3	12	3	1	6	2	8	3	1	3	12
106. Puerperal Septicæmia	98	1	2	1	4	1	...	....	....	1	....	....	2	1
107. Puerperal Convulsions	41	....	....	....	....	....	....	1	....	3	1	....	....	1
108. Other causes incident to childbirth	138	7	1	2	8	2	1	5	2	4	2	1	1	10
VIII.—Diseases of Skin.														
Group Total	216	2	2	5	8	1	2	1	3	4	3	2	1	4
109. Gangrene	101	1	1	4	3	1	2	1	2	3	1	....	....	3
110. Carbuncle	2	....	....	....	....	....	....	....	....	....	....	....	....	....
111. Abscess	97	1	1	1	4	....	....	....	1	1	2	2	1	1
112. Other diseases of skin	16	....	....	....	1	....	....	....	....	....	....	....	....	....
IX.—Diseases of Locomotor System.														
Group Total	32	....	1	1	3	....	1	1	...	....	....	...	....	2
113. Diseases of the Bones	27	....	1	1	3	....	1	....	....	....	....	....	....	1
114. Diseases of the Joints	1	....	....	....	....	....	....	....	....	....	....	....	....	1
115. Other diseases of locomotor system	4	....	....	....	....	....	....	1	....	....	....	....	....	....
X.—Malformations.														
116. Congenital Malformations (still-births excluded)														
Group Total	158	1	....	4	7	1	2	....	....	1	....	2	....	4
XI.—Early Infancy.														
Group Total	2,599	44	34	29	230	11	16	72	26	43	14	8	27	48
117. Premature Birth	788	5	12	4	69	2	3	13	4	15	1	2	8	12
118. Congenital Debility	1,811	39	22	25	161	9	13	59	22	28	13	6	19	36
119. XII.—Old Age.														
Group Total	2,433	27	53	76	112	17	52	69	50	84	15	6	21	87
XIII.—Violence and Other External Causes.														
Group Total	1,705	44	31	38	81	7	28	37	25	35	10	5	18	34
120. Suicides	105	2	4	8	5	....	3	3	6	....	2	1	....	1
121. Fractures and Dislocations	162	3	4	4	15	....	2	1	....	3	....	....	2	3
122. Burns and Scalds	117	3	3	3	8	....	....	4	3	2	1	....	....	3
123. Physical Phenomena	33	....	1	1	....	....	....	....	....	....	....	....	2	....
124. Drowning	325	16	3	7	16	2	4	7	5	4	2	2	....	5
125. Inhalation of Poisonous Gases	29	....	....	....	....	....	1	....	....	....	....	....	....	....
126. Other accidental poisonings	88	....	3	2	3	....	....	1	..	3	1	....	2	5
127. Other accidental traumatisms	803	18	12	12	34	5	18	20	11	16	4	2	11	16
128. Injuries at Birth	32	2	1	1	....	....	....	1	....	4	....	....	1	....
129. Homicide	11	....	....	....	....	....	....	....	....	3	....	....	....	1
XIV.—Ill-defined Diseases.														
Group Total	2,768	108	28	78	105	22	58	97	77	54	16	12	12	96
130. Dropsy	149	1	4	2	2	....	5	2	11	5	1	....	....	2
131. Heart Failure	1,000	18	15	28	29	8	18	38	28	26	7	5	4	43
132. Other ill-defined causes	748	14	8	4	52	....	1	19	9	12	8	1	7	11
133. Unknown causes	871	75	1	44	22	14	34	38	29	11	....	6	1	40
134. XV.—Still Births.														
Group Total	1,767	44	36	32	96	11	20	61	22	45	7	11	10	37

No. 10.—Continued.

Diseases in each County, 1908.—Continued.

Huron.	Kent.	Lambton.	Lanark.	Leeds and Grenville.	Lennox and Addington.	Lincoln.	Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northumberland and Durham.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterborough.	Prescott and Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, Dundas and Glengarry.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Numbers.
5	3	3	4	4	2	4	5	2	11	6	6	10	3	5	4	6	9	3	2	5	7	12	10	7	3	3	5	8	23	32	
1	....	2	....	3	....	1	3	..	2	5	....	....	..	5	3	4	3	....	..	3	3	8	4	2	3	2	2	3	11	12	106
1	1	....	1	....	2	1	1	1	3	..	1	3	1	..	1	1	1	....	2	1	....	1	1	1	..	..	..	..	4	6	107
3	2	1	3	1	....	2	1	1	6	1	5	7	2	..	1	5	3	..	1	4	3	5	4	..	1	3	5	8	14	108	
7	7	2	4	5	3	2	9	2	8	2	2	6	2	2	..	5	3	2	1	1	1	10	13	1	5	4	5	6	17	41	
2	6	....	4	2	1	2	4	1	4	..	1	3	1	2	..	1	..	1	1	....	...	3	9	..	2	..	2	4	6	17	109
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	110
5	1	1	....	1	1	..	5	1	2	2	...	3	1	..	..	4	3	....	..	1	1	6	4	1	2	3	3	2	10	19	111
....	....	1	....	2	1	..	...	..	2	..	1	..	..	..	..	..	..	1	..	....	....	1	...	..	1	1	..	..	....	4	112
....	....	....	....	....	....	1	2	..	3	..	1	..	2	..	..	1	2	....	..	....	....	3	1	..	..	1	..	..	2	4	
....	....	....	....	....	....	1	2	..	3	..	1	..	2	..	..	1	2	....	..	....	....	3	1	..	..	1	..	..	2	1	113
....	....	....	....	....	....	..	....	..	....	..	....	..	..	..	..	..	..	....	..	....	..	....	....	..	..	..	..	..	....	....	114
....	....	....	....	....	....	..	....	..	....	..	....	..	..	..	..	..	..	....	..	....	....	....	....	..	..	..	..	..	....	3	115
....	....	3	1	2	1	..	8	2	8	2	5	4	3	4	1	4	5	1	1	1	....	10	6	1	1	8	1	3	9	41	116
....	....	....	....	....	....	..	....	..	....	..	....	..	..	..	..	..	..	....	..	....	....	....	....	..	..	..	..	..	....	....	
42	53	48	25	48	11	25	97	32	99	24	49	40	40	32	19	39	56	110	13	20	73	104	64	49	42	36	36	52	118	499	
3	6	20	6	23	4	12	28	12	25	4	14	11	11	8	6	11	19	6	4	4	12	36	21	10	15	17	11	12	47	220	117
39	47	28	19	25	7	13	69	20	74	20	35	29	29	24	13	28	37	104	9	16	61	68	43	39	27	19	25	40	71	249	118
80	61	67	48	66	39	34	108	15	21	38	104	60	54	18	32	58	34	38	28	2	40	92	101	5	41	57	34	78	75	236	119
31	56	34	32	27	13	30	58	17	102	13	31	19	30	23	14	20	27	16	16	138	29	44	26	83	21	26	40	22	61	213	
2	7	3	1	....	....	1	4	1	6	..	3	2	2	1	..	2	..	2	1	2	1	....	2	2	3	4	10	..	5	3	120
3	3	2	2	2	1	5	8	1	10	2	3	1	3	2	3	3	..	1	2	10	1	....	6	8	1	1	2	..	10	29	121
...	4	3	2	1	....	2	3	2	15	..	3	6	3	1	2	..	4	....	..	4	2	3	....	1	1	..	2	..	5	18	122
1	1	3	....	....	....	2	4	..	....	..	1	1	..	..	..	..	..	1	..	....	2	1	1	3	2	1	3	..	1	1	123
6	5	3	12	8	5	9	6	8	14	2	1	3	2	5	4	4	8	5	5	24	9	12	7	23	4	5	11	2	8	32	124
....	....	2	....	....	....	..	1	..	4	..	2	..	..	..	..	..	..	..	..	....	....	1	1	3	..	1	..	..	3	10	125
4	1	2	3	2	....	1	4	..	....	1	2	1	1	..	..	3	2	....	1	1	....	2	2	3	1	2	..	3	4	22	126
15	33	14	11	10	6	10	26	4	53	8	13	5	19	14	5	7	13	5	7	96	14	25	7	40	9	12	12	17	24	90	127
....	2	2	1	4	1	..	....	..	....	..	3	..	..	..	..	..	..	1	..	....	....	....	....	..	..	..	..	..	....	8	128
....	....	....	....	....	....	..	2	1	....	..	....	..	..	..	..	1	..	1	..	1	....	....	....	..	..	..	..	..	1	....	129
58	65	37	50	44	25	43	98	31	102	28	51	24	33	32	15	54	29	133	27	30	107	97	90	46	49	57	60	54	119	317	
4	4	....	7	5	2	2	8	..	3	..	4	1	4	3	1	3	2	5	5	....	5	7	5	..	3	8	8	3	6	6	130
32	27	14	27	20	14	18	48	9	18	21	32	15	8	7	9	29	11	7	13	6	21	38	33	7	14	16	26	20	64	109	131
5	13	10	1	12	1	10	17	5	36	5	5	7	9	5	5	8	..	54	2	6	26	29	18	31	17	20	9	15	38	183	132
17	21	13	15	7	8	13	25	17	45	2	10	1	12	17	..	14	16	67	7	18	55	23	34	8	15	13	17	16	11	19	133
14	43	35	23	24	5	27	60	18	54	17	42	34	25	29	11	28	31	39	14	5	31	62	26	48	22	24	31	36	92	355	134

TABLE No. 11.

Table Showing Total Deaths by Individual Diseases in each City, 1908.

Causes of Death.	Total.	Belleville.	Brantford.	Chatham.	Fort William.	Guelph.	Hamilton.	Kingston.	London.	Niagara Falls.	Ottawa.	Peterboro'.	Port Arthur.	St. Catharines.	Stratford.	St. Thomas.	Toronto.	West Toronto.	Windsor.	Woodstock.
Grand Total	11,283	185	316	180	277	197	1,045	359	740	158	1,465	273	244	191	171	244	4,676	195	241	126
I.—General Diseases.																				
(A.—Epidemic Diseases.)																				
Group Total	744	13	19	9	32	11	49	16	21	14	99	7	38	2	9	17	346	17	19	6
1. Typhoid Fever	213	7	11	5	18	3	13	6	6	6	25	3	16	..	2	7	60	12	10	3
4. Measles	6	..	..	..	2	..	..	..	..	..	2	1	1	..	..	..	..	..	..	..
5. Scarlet Fever	81	..	..	..	4	..	6	3	..	3	4	..	13	1	..	..	44	2	1	..
6. Whooping Cough	93	3	..	..	2	5	9	6	..	..	42	..	1	..	..	1	23	1	..	..
7. Diphtheria and Croup	222	1	3	1	3	..	10	..	2	4	15	..	6	1	1	1	169	1	4	..
8. Influenza	80	2	3	1	..	2	4	1	8	..	6	2	1	..	6	5	34	1	4	..
9. Dysentery	20	..	2	..	2	..	6	..	1	1	..	..	..	..	..	2	4	..	..	2
10. Erysipelas	22	..	..	1	..	1	1	..	1	4	1	..	..	..	..	1	11	..	..	1
11. Other Epidemic Diseases	7	..	..	1	1	..	..	..	3	..	1	..	..	..	..	..	1	..	..	..
(B.—Other General Diseases.)																				
Group Total	1,708	28	50	30	17	38	154	70	143	20	203	56	26	32	25	26	694	28	36	32
12. Septicæmia	63	..	2	1	..	..	3	4	5	..	3	1	..	..	1	..	40	..	2	1
13. Tuberculosis of Lungs	634	12	26	11	9	11	74	30	50	4	81	19	10	16	9	8	231	13	13	7
14. Tuberculosis of Larynx	6	..	..	..	1	..	..	..	3	..	..	..	..	..	..	..	1	1	..	..
15. Tuberculous Meningitis	52	..	..	..	..	1	3	1	5	..	4	1	..	..	..	1	30	2	3	1
16. Abdominal Tuberculosis	29	..	1	1	3	..	3	..	1	..	4	2	2	..	..	..	8	1	..	3
17. Pott's Disease	5	..	..	..	..	..	..	..	..	1	1	1	..	1	..	..	1	..	..	..
18. Tuberculous Abscess	4	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	1	..	..	..
19. White Swelling	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
20. Tuberculosis of other Organs	21	..	..	1	..	..	1	1	..	..	4	..	..	..	..	1	13	..	..	..
21. General Tuberculosis	54	..	1	..	..	..	..	..	3	..	2	..	..	..	..	1	47	..	..	..
22. Scrofula	5	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	3	..	..	..
23. Venereal Diseases	10	..	..	..	..	..	3	..	1	..	1	..	..	..	..	..	5	..	..	..
24. Cancer of Mouth	3	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	156	3	3	5	..	4	15	4	14	2	21	4	4	1	1	..	64	4	5	2
26. Cancer of Intestines	44	1	..	..	..	1	8	2	4	..	7	..	..	..	..	..	18	1	1	1
27. Cancer of Genital Organs	58	4	1	2	..	2	4	..	5	1	4	2	..	2	1	2	26	..	2	..
28. Cancer of Breast	29	1	..	..	..	1	1	..	1	1	6	3	..	2	..	..	11	1	1	..
29. Cancer of Skin	8	..	..	..	..	..	..	1	..	..	3	..	..	..	..	..	3	..	1	..
30. Cancer of other Unspecified Organs	193	3	3	4	..	6	14	9	17	7	13	7	4	2	6	7	81	4	3	3
31. Tumors	34	..	..	..	..	..	3	1	5	..	4	4	..	..	1	..	13	..	..	3
32. Rheumatism	65	2	2	1	..	1	5	6	12	..	9	2	..	..	..	3	16	1	2	3
33. Diabetes	76	..	5	2	1	3	5	5	6	1	10	1	1	2	2	2	21	..	2	7
34. Anemia, Leukæmia	102	2	5	1	1	5	5	3	9	3	12	7	..	5	2	1	39	..	1	1
35. Alcoholism	26	..	..	..	1	2	2	2	1	..	5	..	4	..	..	..	9	..	..	..
36. Chronic Poisonings	4	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..
37. Other General Diseases	25	..	..	1	..	..	4	..	..	..	5	2	..	1	2	..	10	..	..	..
II.—Diseases of Nervous System.																				
Group Total	1,184	25	38	18	20	22	106	44	78	11	141	21	12	16	17	29	537	22	15	12
38. Encephalitis	10	1	..	1	1	..	..	2	1	..	..	..	..	..	..	..	3	1	..	..
39. Meningitis	194	5	9	1	3	..	13	8	9	2	34	2	2	3	3	8	81	4	5	2
40. Locomotor Ataxia	11	..	..	..	..	..	..	..	1	..	4	1	..	1	..	1	3	..	..	..
41. Other Diseases of Spinal Cord	37	..	..	1	1	2	5	1	3	1	1	..	..	..	..	1	20	..	..	1
42. Apoplexy	303	8	11	3	3	6	42	9	23	4	31	6	3	3	7	3	134	4	1	2
43. Softening of Brain	11	1	..	..	..	..	1	..	..	..	..	..	..	1	..	1	6	..	1	..
44. Paralysis	205	8	8	6	2	3	16	17	14	2	28	2	..	1	1	6	85	2	1	3
45. General Paralysis of Insane	4	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	..	..
46. Other Forms of Mental Disease	16	1	..	..	..	4	1	..	1	..	2	1	..	..	..	..	5	..	1	..
47. Other Diseases of Brain	28	..	..	..	..	..	3	..	4	..	1	..	..	..	..	..	17	..	..	2
48. Epilepsy	26	..	..	..	..	1	1	2	2	..	2	1	..	..	..	..	15	..	1	1
49. Convulsions	255	1	4	2	10	4	21	4	17	1	24	5	6	3	4	8	128	10	3	..
50. Tetanus	12	..	2	1	..	1	..	..	1	..	3	..	..	1	1	..	2	..	..	..
51. Other Diseases of Nervous System	72	..	4	3	..	1	3	1	1	1	10	3	1	2	1	1	36	1	2	1

TABLE No. 11—Continued.

Causes of Death.	Total.	Belleville.	Brantford.	Chatham.	Fort William.	Guelph.	Hamilton.	Kingston.	London.	Niagara Falls.	Ottawa.	Peterboro'.	Port Arthur.	St. Catharines.	Stratford.	St. Thomas.	Toronto.	West Toronto.	Windsor.	Woodstock.
III.—Diseases of Circulatory System.																				
Group Total	986	13	31	20	9	24	78	29	63	11	120	29	9	4	6	19	463	13	35	10
52. Pericarditis	5	..	..	..	..	..	1	..	..	..	2	..	..	..	..	..	2	..	..	..
53. Endocarditis	77	..	4	2	..	1	7	..	3	..	20	2	..	..	5	..	31	1	1	..
54. Heart Disease	631	7	16	14	3	15	45	21	31	11	71	19	7	3	..	16	323	8	13	8
55. Angina Pectoris	17	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	13	1	..	..
56. Diseases of Arteries	168	4	9	2	1	5	15	4	24	..	15	7	..	..	1	1	58	1	19	2
57. Embolism and Thrombosis	31	1	1	..	..	..	4	3	..	..	4	..	1	..	..	2	14	1	..	..
58. Diseases of Veins	3	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..
59. Diseases of Lymphatics	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	53	1	1	2	5	2	6	1	4	..	8	..	..	..	..	..	20	1	2	..
IV.—Diseases of Respiratory System.																				
Group Total	1,221	13	18	21	27	7	101	38	86	15	166	23	23	19	17	24	564	25	21	13
61. Diseases of Larynx	11	..	..	..	..	..	..	1	3	1	1	1	1	..	1	..	1	1	..	..
62. Diseases of the Thyroid Body	8	..	..	..	..	..	1	1	..	1	..	..	1	..	..	..	2	1	1	..
63. Acute Bronchitis	106	2	..	2	2	1	9	..	10	..	12	2	3	1	..	..	60	2	..	..
64. Chronic Bronchitis	71	1	5	1	1	1	4	6	9	..	6	3	..	2	2	2	26	..	1	1
65. Broncho-Pneumonia	216	..	1	3	5	..	16	2	5	1	38	2	6	..	2	1	128	..	5	1
66. Pneumonia	682	8	10	14	19	4	61	21	48	11	82	13	11	11	11	20	303	13	14	8
67. Pleurisy	37	..	..	..	..	..	4	2	2	..	9	..	..	3	1	..	12	1	..	3
68. Congestion of Lungs	33	..	..	1	..	1	1	..	4	..	6	1	..	1	..	..	12	6	..	..
69. Gangrene of Lungs	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
70. Asthma and Emphysema	31	2	2	..	..	..	4	4	3	1	3	1	1	..	..	..	10	..	..	..
71. Hemorrhage of Lungs	13	..	..	..	..	..	1	1	1	..	3	..	..	..	..	..	7	..	..	..
72. Other Diseases of Respiratory System, Phthisis excepted	11	..	..	..	..	..	..	..	1	..	6	..	..	..	..	1	2	1	..	..
V.—Diseases of Digestive System.																				
Group Total	1,332	16	42	15	29	15	135	46	77	16	190	41	53	24	23	24	532	19	23	12
74. Tonsilitis	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
75. Other Diseases of Pharynx	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
76. Ulcer of Stomach	12	..	..	1	..	1	2	1	4	..	2	..	..	..	1	..	..	..	..	..
77. Gastritis	63	1	..	..	2	..	4	1	4	1	9	..	..	1	..	..	39	..	1	..
78. Other Diseases of the Stomach	155	..	10	2	..	1	9	1	6	..	16	7	5	2	5	10	68	12	..	1
79. Dentition	2	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	635	11	22	4	20	5	86	20	33	8	95	19	39	5	5	9	238	3	10	3
81. Diarrhœa and Enteritis (2 years and over)	64	1	3	..	..	1	10	2	6	2	10	2	2	2	3	1	15	..	2	2
82. Hernia	20	..	..	..	..	..	1	2	1	..	3	..	..	..	..	..	11	..	1	1
83. Obstruction of Intestines	72	..	2	..	..	1	4	3	5	1	9	1	1	2	2	..	39	1	1	..
84. Other Diseases of Intestines	41	..	2	2	1	..	..	2	2	1	9	1	1	3	..	..	11	1	5	..
85. Acute Yellow Atrophy of Liver	3	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..
86. Hydatid Tumors of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
87. Cirrhosis of Liver	39	1	..	..	..	..	3	5	1	1	6	2	..	2	1	2	14	..	1	..
88. Biliary Calculi	7	..	..	..	..	2	2	..	..	1	..	..	..	..	1	..	1	..	..	..
89. Other Diseases of Liver	28	1	1	..	1	..	4	2	3	..	1	3	..	1	1	1	7	1	..	1
90. Diseases of Spleen	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
91. Peritonitis, Non-Puerperal	93	..	..	4	3	..	7	2	3	1	19	..	..	..	..	..	51	1	..	2
92. Appendicitis	86	1	1	2	2	4	2	4	6	..	11	5	4	6	2	1	34	..	..	1
93. Other Diseases of the Digestive System (Cancer and Tuberculosis excepted)	7	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..	2	..	1	..
VI.—Diseases of Genito-Urinary System.																				
Group Total	463	12	4	1	1	8	42	24	44	7	44	17	4	11	4	11	209	3	13	4
94. Acute Nephritis	40	3	..	..	..	..	6	1	3	3	10	2	1	1	..	..	10	..	..	..
95. Bright's Disease	310	8	2	1	..	7	27	16	27	..	26	11	3	5	4	9	151	2	9	2
96. Other Diseases of Kidneys	32	..	..	..	1	..	4	2	6	2	2	..	..	2	..	2	11	..	..	..
98. Diseases of Bladder	31	..	1	..	..	1	1	1	2	..	4	2	..	1	..	..	15	1	1	1
99. Diseases of Male Genital Organs (Non-Venereal)	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..
100. Uterine Tumor	3	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..
101. Other Diseases of Uterus	7	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	4	..	1	..
102. Ovarian Tumor	5	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	2	..	1	..
103. Diseases of the Tubes	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
104. Diseases of Female Genital Organs (Non-Venereal)	5	..	1	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	..	..
105. Other Diseases of the Genito-Urinary System	25	1	..	..	..	..	2	1	4	2	2	1	..	1	..	..	10	..	..	1

TABLE No. 11—Concluded.

Causes of Death.	Total.	Belleville.	Brantford.	Chatham.	Port William.	Guelph.	Hamilton.	Kingston.	London.	Niagara Falls.	Ottawa.	Peterboro'.	Port Arthur.	St. Catharines.	Stratford.	St. Thomas.	Toronto.	West Toronto.	Windsor.	Woodstock.
VII.—The Puerperal State.																				
Group Total	32	3	2	..	2	..	21	1	3	1	11	6	3	2	2	1	19	2	1	2
106. Puerperal Septicæmia	32	1	1	..	..	..	10	..	1	1	4	2	2	..	2	..	8	....	....	...
107. Puerperal Convulsions	9	..	..	..	1	..	4	..	1	..	....	..	..	..	..	..	2	....	....	1
108. Other Causes Incident to Childbirth	41	2	1	..	1	..	7	1	1	..	7	4	1	2	..	1	9	2	1	1
VIII.—Diseases of Skin.																				
Group Total	61	..	1	2	1	1	10	2	4	..	4	..	..	..	2	1	32	1	....	....
109. Gangrene	24	..	..	2	..	..	2	1	2	..	....	..	..	..	1	1	14	1	....	....
110. Carbuncle	1	..	..	..	..	..	....	..	....	..	....	..	..	..	..	..	1	....	....	....
111. Abscess	32	..	1	..	1	1	8	1	2	..	3	..	..	..	1	..	14	....	....	....
112. Other Diseases of Skin	4	..	..	..	..	..	....	..	....	..	1	..	..	..	..	..	3	....		....
IX.—Diseases of Locomotor System.																				
Group Total	14	..	1	..	..	..	2	..	....	..	3	2	..	1	..	1	4	....	....	...
113. Diseases of the Bones	11	..	1	..	..	..	2	..	....	..	3	2	..	1	..	1	1	....	....	...
115. Other Diseases of Locomotor System	3	..	..	..	..	..	....	..	....	..	....	..	..	..	..	..	3	....	....	....
X.—Malformations.																				
116. Congenital Malformations (Still-births excluded)	55	2	..	..	1	2	9	..	7	..	....	2	..	..	1	..	30	1	....	....
Group Total	....	..	..	..	..	..	....	..	....	..	....	..	..	..	..	..	....	....	....	....
XI.—Early Infancy.																				
Group Total	1,027	17	26	20	34	19	91	11	70	20	202	27	13	14	15	16	376	23	23	10
117. Premature Birth	379	7	10	2	7	6	35	2	21	9	67	8	3	7	4	2	168	13	5	3
118. Congenital Debility	648	10	16	18	27	13	56	9	49	11	135	19	10	7	11	14	208	10	18	7
119. XII.—Old Age.																				
Group Total	505	14	22	11	1	17	41	25	41	6	76	14	2	16	20	21	151	4	14	9
XIII.—Violence and other External Causes.																				
Group Total	550	11	21	18	52	9	43	11	36	15	65	9	28	13	6	17	172	6	12	6
120. Suicides	30	..	2	3	..	2	5	1	1	5	3	..	2	..	..	..	3	....	3	....
121. Fractures and Dislocations	80	2	4	2	6	..	9	..	5	1	14	..	3	5	1	2	26	....	...	....
122. Burns and Scalds	37	2	2	..	1	..	2	1	2	1	3	4	..	1	..	..	16	....	2	....
123. Physical Phenomena	8	..	2	..	2	..	1	..	1	1	....	..	1	..	..	..	....	....	....	....
124. Drowning	89	1	3	2	16	1	4	4	4	3	10	2	6	2	3	..	26	....	1	1
125. Inhalation of Poisonous Gases	18	..	..	..	2	..	3	..	1	..	....	..	1	..	..	1	10	....	....	....
126. Other Accidental Poisonings	39	1	1	1	1	..	4	..	3	..	1	2	2	1	1	..	20	....	1	....
127. Other Accidental Traumatisms	233	5	7	10	24	6	14	5	19	4	27	1	13	4	1	14	63	6	5	5
128. Injuries at Birth	15	..	..	..	..	..	....	..	....	..	7	..	..	..	..	..	8	....	....	....
129. Homicide	1	..	..	..	..	..	1	..	....	..	....	..	..	..	..	..	....	....	....	....
XIV.—Ill-Defined Diseases.																				
Group Total	632	10	19	7	29	13	91	26	34	11	58	3	7	20	19	23	227	17	12	6
130 Dropsy	34	..	2	2	..	..	4	6	4	..	1	1	..	1	2	4	4	2	....	1
131. Heart Failure	250	10	9	4	3	3	47	13	17	4	11	2	2	11	11	8	80	3	7	5
132. Other Ill-defined Causes	324	..	8	1	26	10	36	4	11	6	46	..	4	8	2	3	143	11	5	....
133. Unknown Causes	24	..	..	..	..	..	4	3	2	1	....	..	1	..	4	8	....	1	....	....
134. XV.—Still-Births.																				
Group Total	719	8	22	8	22	11	72	16	33	11	83	16	26	17	5	14	320	14	17	4

TABLE No. 12.

Recapitulation of Causes of Death by Classes of Diseases in each Town of over 5,000 population, 1908.

Causes of Death.	Total.	Barrie.	Berlin.	Brockville.	Collingwood.	Cornwall.	Galt.	Hawkesbury.	Kenora	Lindsay.	Orillia.	Owen Sound.	Pembroke.	Sarnia.	Sault Ste. Marie.	Smith's Falls.
Grand Total	2,093	119	163	159	117	166	106	109	291	112	77	198	96	154	111	115
I.—General Diseases.																
(A.—Epidemic Diseases.)																
Group Total	214	5	8	12	8	18	7	15	67	7	1	18	18	19	6	5
1. Typhoid Fever	134	5	2	4	5	7	4	2	64	3	....	2	16	11	6	3
4. Measles	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
5. Scarlet Fever	7	....	2	....	....	....	....	....	....	1	1	....	1	2	....	....
6. Whooping Cough	24	....	....	5	....	....	....	9	1	1	...	5	1	1	....	1
7. Diphtheria and Croup	29	....	2	2	....	6	2	1	2	2	....	4	....	1	....	1
8. Influenza	14	....	....	1	3	5	....	1	....	....	....	3	....	1	....	....
9. Dysentery	5	....	....	....	....	....	1	1	....	....	....	3	....	..	....	....
10. Erysipelas	6	....	2	....	....	....	....	....	....	....	....	1	....	3	....	....
(B.—Other General Diseases.)																
Group Total	315	18	28	31	17	37	23	11	15	10	12	27	19	33	11	23
12. Septicæmia	17	....	2	6	2	1	1	1	....	1	....	....	1	....	1	1
13. Tuberculosis of Lungs	124	7	9	10	8	21	8	4	7	3	7	10	7	8	4	11
14. Tuberculosis of Larynx	2	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....
15. Tuberculous Meningitis	7	....	1	....	....	2	....	2	....	....	....	....	1	....	1	....
16. Abdominal Tuberculosis	8	....	....	....	1	1	4	1	....	....	....	....	....	....	1	....
20. Tuberculosis of other Organs	6	....	....	....	....	1	....	....	....	....	....	....	....	4	1	...
23. Venereal Diseases	2	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....
24. Cancer of Mouth	5	....	1	....	....	....	1	....	....	1	2	....	....	....	....	....
25. Cancer of Stomach and Liver	23	3	4	5	....	....	2	....	1	1	...	3	....	4	....	....
26. Cancer of Intestines	3	....	....	....	....	2	....	....	....	....	....	....	....	....	....	1
27. Cancer of Genital Organs	4	....	....	1	....	....	....	....	....	....	....	1	1	....	....	1
28. Cancer of Breast	2	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....
29. Cancer of Skin	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
30. Cancer of other Unspecified Organs	41	2	5	4	1	7	1	....	1	1	1	4	2	8	1	1
31. Tumors	8	....	..	1	....	....	5	....	..	....	1	1	1	....	....	....
32. Rheumatism	15	2	3	1	1	....	....	1	2	....	....	1	1	2	1	....
33. Diabetes	9	....	1	....	1	....	....	....	1	1	1	1	....	2	....	1
34. Anæmia, Leukæmia	26	4	1	2	2	....	....	1	....	1	....	4	3	2	....	6
35. Alcoholism	10	....	....	....	....	....	1	....	2	1	1	1	1	2	1	....
37. Other General Diseases	4	....	1	..	....	1	1	....	....	....	....	....	....	....	....	1
II.—Diseases of Nervous System.																
Group Total	166	12	19	11	9	17	8	6	11	10	5	17	7	13	5	16
38. Encephalitis	1	....	....	....	....	..	....	1	....	....	....	....	....	....	....	....
39. Meningitis	25	1	2	....	1	3	....	2	4	1	....	5	....	3	1	2
41. Other Diseases of Spinal Cord	5	....	....	....	....	2	....	....	....	....	....	1	....	1	....	1
42. Apoplexy	54	4	5	6	1	6	5	1	3	3	1	3	1	6	3	6
43. Softening of Brain	5	....	1	....	....	....	....	....	....	....	1	1	1	....	....	1
44. Paralysis	35	2	5	2	3	6	1	....	1	4	1	4	2	1	....	3
46. Other Forms of Mental Disease	4	....	....	....	....	....	....	....	....	1	....	2	....	1	....	....
47. Other Diseases of Brain	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
48. Epilepsy	5	....	1	....	1	....	....	....	....	....	1	1	1	....	....	....
49. Convulsions	20	1	4	1	2	....	2	2	3	1	..	....	....	....	1	3
50. Tetanus	2	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
51. Other Diseases of Nervous System	9	4	...	1	1	....	....	....	....	....	1	....	1	1	....	....
III.—Diseases of Circulatory System.																
Group Total	136	6	5	21	9	12	8	3	9	11	7	17	5	10	3	10
53. Endocarditis	14	....	....	1	....	2	....	3	....	1	1	....	....	3	1	2
54. Heart Disease	87	5	3	16	8	5	7	....	4	9	1	10	4	5	2	8
55. Angina Pectoris	3	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....
56. Diseases of Arteries	16	....	1	2	....	2	1	....	....	....	3	6	1	....	....	....
57. Embolism and Thrombosis	7	....	....	2	....	....	....	....	2	..	1	....	...	2	....	....
58. Diseases of Veins	2	....	....	....	....	....	....	....	....	....	1	1	....	....	...	.
60. Other Diseases of Circulatory System	7	1	....	....	1	2	....	....	3	....	....	....	....	....	....	....

TABLE No. 12—Continued.

Causes of Death.	Total.	Barrie.	Berlin.	Brockville.	Collingwood.	Cornwall.	Galt.	Hawkesbury.	Kenora.	Lindsay.	Orillia.	Owen Sound.	Pembroke.	Sarnia.	Sault Ste. Marie.	Smith's Falls.
IV.—Diseases of Respiratory System.																
Group Total	178	9	16	14	12	7	5	11	18	10	14	15	10	12	17	8
61. Diseases of Larynx	3	....	....	....	....	....	....	....	....	1	....	....	....	....	2	....
63. Acute Bronchitis	21	2	3	....	2	3	....	1	1	....	1	4	....	2	2	....
64. Chronic Bronchitis	8	2	....	....	1	....	....	....	....	....	....	1	....	1	3	....
65. Broncho-pneumonia	17	2	4	4	....	1	2	....	....	....	....	....	2	1	....	1
66. Pneumonia	99	1	7	8	9	2	2	8	16	7	12	8	6	6	1	6
67. Pleurisy	13	1	....	....	....	....	....	1	....	....	....	....	1	....	9	1
68. Congestion of Lungs	4	1	1	....	....	....	1	....	....	....	1	....	....	....	....	....
70. Asthma and Emphysema	11	....	1	1	....	1	....	1	1	2	....	2	1	1	....	....
71. Hemorrhage of Lungs	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....
72. Other Diseases of Respiratory System. Phthisis excepted.	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
V.—Diseases of Digestive System.																
Group Total	257	22	26	27	12	15	14	27	22	12	7	22	10	14	17	10
76. Ulcer of Stomach	5	....	1	1	1	1	....	....	....	1	....	....	....	....	....	....
77. Gastritis	4	....	1	....	....	....	....	....	....	....	....	1	....	....	....	2
78. Other Diseases of the Stomach	17	3	4	....	1	....	....	....	1	....	1	5	1	....	1	....
79. Dentition	6	....	1	....	....	....	....	1	....	4	....	....	....	....	....	....
80. Diarrhœa and Enteritis (under 2 years)	125	12	9	13	7	8	6	22	15	....	1	7	3	10	9	3
81. Diarrhœa and Enteritis (2 years and over.)	19	2	4	2	2	1	1	1	2	2	....	1	....	....	....	1
82. Hernia	8	....	3	....	....	1	....	....	2	....	....	1	....	....	....	1
83. Obstruction of Intestines	14	1	....	2	....	....	1	2	1	1	1	1	2	....	1	1
84. Other Diseases of Intestines	8	....	....	1	1	2	....	....	....	1	....	....	....	....	3	....
85. Acute Yellow Atrophy of Liver	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
87. Cirrhosis of Liver	4	....	....	2	....	....	....	....	....	....	....	....	2	....	....	....
88. Biliary Calculi	2	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....
89. Other Diseases of Liver	6	1	1	....	....	....	....	....	....	1	2	1	....	....	....	....
90. Diseases of Spleen	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
91. Peritonitis, Non-Puerperal	14	....	1	4	....	1	....	1	1	....	....	....	....	2	2	2
92. Appendicitis	23	2	1	2	....	1	6	....	....	1	2	4	1	2	1	....
VI.—Diseases of Genito-Urinary System.																
Group Total	78	5	3	12	2	5	8	3	5	5	4	9	2	12	1	2
94. Acute Nephritis	10	....	2	....	....	....	1	....	1	2	....	1	....	2	....	1
95. Bright's Disease	48	2	1	10	1	2	6	2	3	1	1	7	2	8	1	1
96. Other Diseases of Kidneys	7	1	....	....	....	2	....	....	1	....	2	....	....	1	....	....
98. Diseases of Bladder	7	1	....	1	1	....	....	....	....	2	1	....	....	1	....	....
99. Diseases of Male Genital Organs, (Non-Venereal.)	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
100. Uterine Tumor	2	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....
103. Diseases of the Tubes	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
105. Other Diseases of the Genito-Urinary System	2	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....
VII.—The Puerperal State.																
Group Total	15	2	1	1	....	1	....	....	2	2	1	3	1	1	....	....
106. Puerperal Septicæmia	13	2	1	1	....	1	....	....	2	2	1	1	1	1	....	....
107. Puerperal Convulsions	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
108. Other Causes Incident to Child-birth	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
VIII.—Diseases of Skin.																
Group Total	18	....	....	1	....	7	1	1	1	1	2	1	1	....	2	....
109. Gangrene	9	....	....	1	....	5	....	....	....	....	1	1	....	....	1	....
111. Abscess	7	....	....	....	....	2	1	....	1	....	1	....	1	....	1	....
112. Other Diseases of Skin	2	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....
IX.—Diseases of Locomotor System.																
Group Total	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
113. Diseases of the Bones	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
X.—Malformations.																
116. Congenital Malformations (Still-Births excluded). Group Total	7	1	2	....	2	1	....	....	....	....	....	....	....	1	....	....

TABLE No. 12—Concluded.

Causes of Death.	Total.	Barrie.	Berlin.	Brockville.	Collingwood.	Cornwall.	Galt.	Hawkesbury.	Kenora.	Lindsay.	Orillia.	Owen Sound.	Pembroke.	Sarnia.	Sault Ste. Marie.	Smith's Falls.
XI.—Early Infancy.																
Group Total	160	8	13	13	17	10	6	20	12	11	8	15	7	12	1	7
117. Premature Birth	57	5	7	7	3	2	3	....	....	4	6	7	4	6	1	2
118. Congenital Debility	103	3	6	6	14	8	3	20	12	7	2	8	3	6	....	5
119. XII.—Old Age.																
Group Total	132	13	13	3	4	15	10	2	1	12	3	21	7	11	10	7
XIII.—Violence and Other external Causes.																
Group Total	209	8	7	6	3	9	5	4	105	7	5	14	2	6	14	14
120. Suicides	8	....	2	....	....	....	....	1	1	1	....	....	....	1	....	2
121. Fractures and Dislocations	15	....	1	1	....	2	....	....	8	....	....	1	....	....	1	1
122. Burns and Scalds	11	1	....	1	....	....	....	....	1	1	....	2	....	1	2	2
124. Drowning	43	2	1	1	2	4	1	1	16	1	2	3	....	....	5	4
125. Inhalation of Poisonous Gases	4	1	....	....	....	.	1	....	....	....	....	....	....	2	....	..
126. Other Accidental Poisonings	2	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
127. Other Accidental Traumatisms	47	3	3	1	1	3	3	1	78	4	3	4	2	....	6	5
128. Injuries at Birth	4	....	....	1	....	....	....	....	....	....	....	1	....	2	....	....
129. Homicide	5	....	....	....	....	....	....	1	1	....	....	3	....	....	....	....
XIV.—Ill-Defined Diseases.																
Group Total	107	3	15	2	9	8	2	2	23	10	5	3	5	2	10	8
130. Dropsy	9	1	3	....	1	1	....	....	....	1	....	....	1	....	....	1
131. Heart Failure	42	1	5	1	6	2	2	....	5	3	3	1	2	....	7	4
132. Other Ill-Defined Causes	29	1	7	1	....	5	....	2	2	4	1	1	2	2	1	....
133. Unknown Causes	27	....	....	....	2	....	....	....	16	2	1	1	....	....	2	3
134. XV.—Still Births.																
Group Total	99	6	6	5	13	4	9	4	.. .	4	3	16	2	8	14	5

TABLE No. 13.

Showing Infant Mortality under 5 years of age in Ontario, 1908.

CAUSES OF DEATH.	Total.	Under 1 Yr.	1 Year.	2 Years.	3 Years.	4 Years.
Grand Total	10,530	8,662	889	445	282	252
I.—General Diseases.						
(A.—Epidemic Diseases.)						
Group Total	774	305	159	115	106	89
1. Typhoid Fever	32	4	11	8	4	5
3. Smallpox	2	1		1		
4. Measles	29	11	8	2	2	6
5. Scarlet Fever	90	17	18	15	22	18
6. Whooping Cough	232	143	45	20	18	6
7. Diphtheria and Croup	244	41	50	52	49	52
8. Influenza	57	34	13	7	2	1
9. Dysentery	56	30	10	7	8	1
10. Erysipelas	26	23	3			
11. Other epidemic Diseases	6	1	1	3	1	
(B.—Other General Diseases.)						
Group Total	235	109	56	26	20	24
12. Septicæmia	20	15	2		1	2
13. Tuberculosis of Lungs	62	29	16	4	8	5
14. Tuberculosis of Larynx	3	2	1			
15. Tuberculous Meningitis	64	23	21	13	1	6
16. Abdominal Tuberculosis	12	4	4		3	1
17. Pott's Disease	1	1				
18. Tuberculous Abscess	2	2				
19. White Swelling	1				1	
20. Tuberculosis of other Organs	6	3	1	1		1
21. General Tuberculosis	4	1	2	1		
22. Scrofula	5	3	1	1		
23. Venereal Diseases	12	9	3			
30. Cancer of other unspecified organs	5		2	1	2	
31. Tumors	3	2				1
32. Rheumatism	8			2	2	4
33. Diabetes	6	2	1		2	1
34. Anæmia, Leukæmia	13	9	1	1		2
37. Other General Diseases	8	4	1	2		1
II.—Diseases of Nervous System.						
Group Total	904	594	177	73	34	26
38. Encephalitis	22	12	3	4	2	1
39. Meningitis	264	137	74	30	15	8
40. Locomotor Ataxia	4					4
41. Other Diseases of Spinal Cord	11	6	3			2
42. Apoplexy	22	14	4	1	3	
43. Softening of Brain	2	2				
44. Paralysis	17	2	5	5	2	3
46. Other Forms of Mental Disease	2	1	1			
47. Other Diseases of Brain	9	7	1		1	
48. Epilepsy	2	1	1			
49. Convulsions	516	392	79	30	9	6
50. Tetanus	6	5	1			
51. Other Diseases of the Nervous System	27	15	5	3	2	2

TABLE No. 13—Continued.

Showing Infant Mortality under 5 years of age in Ontario, 1908—Continued.

CAUSES OF DEATH.	Total.	Under 1.	1 Year.	2 Years.	3 Years.	4 Years.
III.—DISEASES OF CIRCULATORY SYSTEM.						
Group Total	108	88	9	4	1	6
52. Pericarditis	2	2				
53. Endocarditis	8	6		1	1	
54. Heart Disease	69	57	5	3		4
55. Angina Pectoris	1	1				
57. Embolism and Thrombosis	2	1	1			
58. Diseases of Veins	1		1			
59. Diseases of Lymphatics	1		1			
60. Other Diseases of Circulatory System	24	21	1			2
IV.—DISEASES OF RESPIRATORY SYSTEM.						
Group Total	1,015	701	165	75	41	33
61. Diseases of Larynx	19	11	4		3	1
62. Diseases of the Thyroid Body	2	2				
63. Acute Bronchitis	183	142	26	10	3	2
64. Chronic Bronchitis	15	12		2		1
65. Broncho-Pneumonia	268	190	43	20	10	5
66. Pneumonia	465	300	84	39	21	21
67. Pleurisy	10	3	3	1	1	2
68. Congestion of Lungs	35	26	4	3	1	1
70. Asthma and Emphysema	4	1	1		2	
72. Other Diseases of Respiratory System, Phthisis excepted	14	14				
V. DISEASES OF DIGESTIVE SYSTEM.						
Group Total	1,988	1,655	204	71	32	26
73. Diseases of Mouth	2	2				
74. Tonsilitis	9	4	1		1	3
75. Other Diseases of Pharynx	1	1				
76. Ulcer of Stomach	1	1				
77. Gastritis	53	43	6	2		2
78. Other Diseases of the Stomach	281	257	21	1	2	
79. Dentition	29	16	11	2		
80. Diarrhœa and Enteritis (under 2 years)	1,377	1,223	152	1	1	
81. Diarrhœa and Enteritis (2 years and over)	80			53	16	11
82. Hernia	4	2	1	1		
83. Obstruction of Intestines	47	40	2	2	2	1
84. Other Diseases of Intestines	48	33	5	2	7	1
87. Cirrhosis of Liver	3	1	1			1
89. Other Diseases of Liver	11	9		1		1
91. Peritonitis, Non-Puerperal	28	16	3	4	3	2
92. Appendicitis	9	2	1	2		4
93. Other Diseases of the Digestive System (Cancer and Tuberculosis excepted)	5	5				
VI. DISEASES OF GENITO-URINARY SYSTEM.						
Group Total	50	29	8	3	3	8
94. Acute Nephritis	16	12	2			2
95. Bright's Disease	25	13	5	3		4
96. Other Diseases of Kidneys	8	3	1		3	1
105. Other Diseases of the Genito-Urinary System.	1	1				

TABLE No. 13

Showing Infant Mortality under 5 years of age in Ontario, 1908.—Concluded.

CAUSES OF DEATH.	Total.	Under 1.	1 Year.	2 Years.	3 Years.	4 Years.
VIII.—DISEASES OF SKIN.						
Group Total	23	17	4	1	1	.....
109. Gangrene	1	1	.....	.....	.....	.....
111. Abscess	11	8	1	1	1	.....
112. Other diseases of skin	11	8	3	.....	.....	.....
IX.—DISEASES OF LOCOMOTOR SYSTEM.						
Group Total	10	6	3	.....	1	.....
113. Diseases of the bones	9	6	3	.....	.....	.....
114. Diseases of the joints	1	.....	.....	.....	1	.....
X.—MALFORMATIONS.						
116. Group Total	158	158	.....	.....	.....	.....
XI.—EARLY INFANCY.						
Group Total	2,599	2,599	.....	.....	.....	.....
117. Premature birth	788	788	.....	.....	.....	.....
118. Congenital debility	1,811	1,811	.....	...	.....	.....
XIII.—VIOLENCE AND OTHER EXTERNAL CAUSES.						
Group Total	192	65	31	39	27	30
121. Fractures and dislocations	3	.....	.....	1	1	1
122. Burns and scalds	52	8	8	10	13	13
123. Physical phenomena	2	1	1	.....	.....	.....
124. Drowning	31	3	5	9	4	10
125. Inhalation of poisonous gases	1	1	.....	.....	.....	.....
126. Other accidental poisonings	18	3	6	3	4	2
127. Other accidental traumatisms	53	17	11	16	5	4
128. Injuries at birth	32	32	.....	.....	.....	.....
XIV.—ILL-DEFINED DISEASES.						
Group Total	707	569	74	38	16	10
130. Dropsy	4	3	1	.....	.....	.....
131. Heart Failure	48	35	4	5	3	1
132. Other Ill-Defined Causes	464	395	43	15	6	5
133. Unknown Causes	191	136	26	18	7	4
XV.—STILL BIRTHS.						
134. Group Total	1,767	1,767	.....	.....	.....	.....

TABLE No. 14.

Deaths by Occupations—Counties, 1908.

Occupations—Male.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Total.
Total deaths													32,714
Total males and females	843	1,112	1,152	996	982	1,003	990	2,142	3,377	4,219	3,420	220	20,355
Total males	458	649	618	502	505	532	491	1,029	1,718	2,190	1,736	149	10,577
Total females	385	463	534	494	477	471	499	1,113	1,559	2,029	1,684	71	9,778
Still births													1,767
Deaths under 15													9,910
Occupations unspecified													682
Actors			1	1									2
Agents		4	2	6	5	3	12	19	19	8	5	4	87
Artists		3	1		2	1		1	5	5	1		19
Architects			1						1	3	1		6
Auctioneers									3	1	1		5
Bakers and Confectioners	2	1	3	2	3	2	1	2	4	3	2		25
Barbers	1	4	2	5	2	6	5	6	6				37
Bartenders		1	7	5	2	3	1	1		1			21
Bankers		3	3	1		1		2	1	4			15
Blacksmiths		3	6	7	7	4	6	13	19	17	18		100
Bookbinders	1			1		1	1	1					5
Bookkeepers	3	16	9	7	2	4		1	6	6	3	1	58
Brewers and Distillers						1			1	1			3
Brickmakers	1	1			1	2	1	2	3	2	4		17
Brokers	1					1	1	1		2	1		7
Builders and Contractors		3	2	3	2	4	6	7	22	14	3	1	67
Butchers			3	3	3	3	4	3	9	5	4		37
Carpenters	3	9	16	16	8	15	9	19	56	68	39	3	261
Cabinetmakers	1	2	2	1	1	1	1	1	4	1	7		22
Carriage and Wagon Makers			2		2	1	3	4	8	9	7		36
Cheesemakers		1	1	1			1	2			1		7
Chemists and Druggists		2		2	4	1	2	2	1				14
Cigarmakers	1	5	3	1	2	2							14
Civil Engineers	2	4	3	5	5	3	3	4	15	6	6	1	57
Clergymen		1	1	1	4		2	6	13	23	11	1	63
Clerks	36	43	46	23	21	20	13	20	19	16	2		259
Commercial Travellers		2	10	8	6	14	9	10	8	4	1		72
Cooks		4	8	1	4	2	5	8		2			34
Dentists		2	1	3	2			1	4	1	2		16
Drovers			1	2		3	1	2	3	5			17
Electricians	1	4	5	4	4		2	2			1		23
Farmers	43	77	102	75	102	103	121	336	573	866	747	34	3,179
Factory Hands	15	16	3	7	6	2	5	3	11	10	1		79
Foremen		2	3	4	6	8	3	4	4	2	2	2	40
Furriers													
Firemen		8	4	1	2	3	1	1	3	4			27
Gardeners		1		2	4	4	1	7	18	25	7		69
Government Officials		1		2		1	4	4	15	12	10	1	50
Harnessmakers	3	1	1		2	2	2		8	7	3		29
Hotelkeepers			3	5	5	4	7	9	11	8	2		54
Hucksters and Pedlars		1	1	2		1	2	3	4	1	1	1	17
Hunters and Fishermen		1	2	2	1	5	3	2	4	7	4		31
Journalists and Reporters		1	1	1	1		3	3	2	2			14
Laborers	110	164	155	129	107	93	77	219	239	225	140	30	1,688
Lawyers				2	1	3	3	2	3	6	1		21
Laundry Hands	1	3	1	1	1	1	1	1	3	1			14
Liverymen			1				1	2	1	3			8
Lumbermen	1	6	3	4	3	3	3	7	10	7	3	2	52
Managers					1	1	2	3	1				8
Manufacturers			2	3	2	1	6	7	16	11	11		59
Masons		3	1	3	3	7	7	11	9	12	6	1	61
Machinists	4	7	10	6	1	11	3	5	8	6	1	2	64
Mechanics	4	6	6	3	10	8	5	6	9	10	8		75
Merchants	3	10	13	10	17	14	30	34	65	47	18	1	262
Milkmen				1					1		2		4
Millers		1			2	2	1	1	9	8	6		30
Miners		1	5	3	2	1				1			13
Moulders			4	5	3	6	5	2	5	6	1		37
Music Teachers		4	3	3	1	1	2	1	1	2	1		19
Painters and Decorators	1	16	8	5	7	12	5	6	14	9	3	1	87
Physicians			2	4		2	8	9	15	8	3	1	52
Plasterers	1					2		1	1	7			12
Plumbers and Gasfitters	1	4	2	1	2	3		1	2	1			17
Polishers and Grainers		1	2	1	2	1							7
Policemen		1		1	1		1	1	1	2			8
Printers	1	3	5	2	4	2	2	3	4	8			34
Professors			1	1	2				1	2			7

TABLE No. 14 -Continued.

Deaths by Occupations—Counties, 1908.—Continued.

Occupations—Male.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Total.
Public Officials	....	.....	1	....	4	1	1	4	12	14	5	....	42
Railroad Employes	5	31	27	20	27	25	13	16	18	14	3	8	207
Sailors	3	1	6	....	1	2	1	2	9	7	5	....	37
Servants	6	6	2	4	1	6	4	3	12	7	2	....	53
Schoolteachers	5	11	4	2	5	4	2	3	6	5	2	....	49
Shoemakers	....	1	1	1	1	2	5	7	19	27	8	1	73
Stenographers	3	6	2	2	1	1	....	1	.....	.....	.....	....	16
Stonecutters	....	3	.....	1	2	3	....	2	1	1	.....	....	13
Street Railway Employes	....	1	3	2	....	1	1	1	1	1	.....	....	11
Students	23	9	1	....	....	.....	..	.....	.....	.....	.....	....	33
Tailors	....	6	5	3	4	5	5	7	7	8	15	2	67
Tanners and Curriers	...	.....	.....	....	....	2	....	.....	.....	.....	.....	....	2
Teamsters and Drivers	6	13	12	11	10	7	3	4	17	.....	3	1	87
Telegraph Operators	....	8	7	2	1	.....	1	1	.....	.....	.....	....	20
Tinsmiths	...	6	1	1	1	3	1	1	2	4	1	....	21
Undertakers	....	.....	.....	....	....	3	....	.....	.....	.....	.....	....	3
Upholsterers	....	.....	.....	....	....	.....	....	.....	1	.....	.....	....	1
Volunteers and Soldiers	....	.....	.....	2	2	1	....	.....	2	5	3	....	15
Watchmakers and Jewellers	2	5	3	1	1	.....	1	.....	1	4	1	....	19
Watchmen	....	.....	.....	....	....	.....	1	1	6	4	1	....	13
Weavers	1	.....	.....	....	....	1	2	2	6	4	3	....	19
Waiters	1	1	.....	1	1	1	....	.....	.....	1	.....	....	6
No occupations	160	79	58	45	44	49	42	138	283	540	580	50	2,068
Other occupations	1	5	2	7	7	10	5	5	11	11	3	....	67
Female.													
Actresses	....	.....	.....	....	....	.....	....	.....	.....	.....	.....	....	.....
Artists	...	.....	.....	....	....	.....	....	.....	.....	.....	.....	...	.....
Bookkeepers	3	2	1	1	1	.....	....	.....	.....	.....	.....	....	8
Clerks	4	4	4	1	....	.....	2	2	.....	.....	.....	....	17
Cooks	....	.....	1	....	....	.....	1	1	1	.....	.....	....	4
Dressmakers	2	9	5	3	4	6	4	5	6	2	1	....	47
Factory Hands	5	6	.....	2	1	.....	1	.....	1	.....	.....	....	16
Forewomen	....	1	.....	1	1	1	....	1	.....	.....	.....	....	5
Housewives	66	208	310	343	360	328	356	793	1,059	1,419	1,143	52	6,437
Laundry Hands	....	.....	.....	....	...	.....	....	....	1	.....	.....	....	1
Merchants	....	.....	.....	....	....	.....	....	.....	.....	.....	.....	....	.....
Milliners	....	3	6	....	1	1	....	.....	3	.....	.....	....	14
Music Teachers	....	.....	.....	1	1	.....	....	.....	.....	.....	.....	....	2
Nuns	1	2	.....	....	....	1	....	.....	2	5	.....	....	11
Nurses	....	5	6	....	1	1	7	9	5	4	.....	1	39
Servants	35	30	25	9	10	17	6	15	43	33	10	....	233
School Teachers	2	2	2	2	....	1	1	2	.....	1	.....	1	14
Stenographers	2	4	2	....	....	.....	.....	.....	1	.....	.....	....	8
Students	16	.....	.....	....	....	.....	...	.....	.....	.....	.....	....	16
Tailoresses	1	7	1	2	1	1	2	1	1	1	2	1	21
Telegraph Operators	....	.....	.....	....	....	.....	....	.....	1	.....	.....	....	1
Telephone Operators	....	.....	.....	....	....	.....	....	.....	.....	.....	.....	....	.....
Weavers	...	.....	.....	....	....	.....	....	.....	.....	.....	.....	....	.....
No occupations	248	179	171	129	96	113	119	284	432	564	528	16	2,879
Other occupations	....	1	.....	...	....	1	....	.....	3	.....	.....	....	5

TABLE No. 15.

Deaths by Occupations—Cities, 1908.

Occupations—Male.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Total.
Total deaths													11,283
Total males and females	245	369	396	344	310	395	368	868	1,070	1,120	812	85	6,382
Total males	144	212	196	173	162	202	178	425	529	507	331	60	3,119
Total females	101	157	200	171	148	193	190	443	541	613	481	25	3,263
Still births													719
Deaths under 15													4,025
Occupations unspecified													157
Actors			1										1
Agents		1	1	2	2	1	7	7	10	3	3	3	40
Artists		1	1	1	1			2	2	3			11
Architects			1						1		1		3
Auctioneers									1				1
Bakers and Confectioners	1	1	1	2		1		4	4	2	2		18
Barbers	1	1		1	1	1	4	2	5				16
Bartenders			2		2	2							6
Bankers		1						1	1	3			6
Blacksmiths			2	2	2		4	12	3	3	2		30
Bookbinders	1			1		1							3
Bookkeepers	1	8	4	3		2		5	4	6	2	1	36
Brewers and Distillers									1				1
Brickmakers	1	1			1	1	1		1	2	1		9
Brokers	1						1	1		1	1		5
Builders and Contractors		1		1	2	2	4	11	14	7	1	1	44
Butchers					3	1	2		5	3	1		15
Carpenters	2	3	8	8	4	5	5	12	20	18	7	1	93
Cabinetmakers						1		2	2		3		8
Carriage and Wagonmakers					1		1	1	2	5	2		12
Cheesemakers							1						1
Chemists and Druggists				1	2								3
Cigarmakers	1	1	3	1	2	2		1					11
Civil Engineers		2	2	3	1	3	2	6	8	3	2		32
Clergymen								4	5	7	3	1	20
Clerks	20	25	19	15	9	18	8	14	16	10	2		156
Commercial Travelers		1	8	5	4	9	6	13	3	3	1		53
Cooks		1	3		1		3	3		1			12
Dentists		2			1			1		1	1		6
Drovers				2		1			1	3			7
Electricians	1	2	3	3	1		2	2			1		15
Farmers	1	6	6	3	5	6	3	9	15	22	15	9	100
Factory Hands	8	6	2	5	5	2	3	8	7	8			54
Foremen			1		2	2		5	3	1			14
Furriers													
Firemen		4	2		1	3	1	2	2	3			18
Gardeners		1		1	3		1	6	7	6	2		27
Government Officials		1		2		1	3	4	7	3	4		25
Harnessmakers	2		1		1	1		4	3	3	1		16
Hotelkeepers				1	1	1	1	5	4	6			19
Hucksters and Pedlars			1	1			1	4	3		1	1	12
Hunters and Fishermen							1	1		2			4
Journalists and Reporters					1			4		2			7
Laborers	27	44	39	37	29	28	34	73	81	60	41	7	500
Lawyers				1	1	2	1	2	2	3			12
Laundry Hands	1	3	1		1	1	1		1	1			10
Liverymen			1				1	1	1				4
Lumbermen		1	1	1		1	1	2	4	2			13
Managers					1	1	1	2	1				6
Manufacturers				1	1	1	3	4	10	4	8		32
Masons			1		2	1	1	2	2	2	1		12
Machinists	1	4	3	3		5	1	5	3	2			27
Mechanics	3	1	2	2	3	4	2	6	5	2			30
Merchants	2	2	6	3	3	7	16	21	33	21	8		122
Milkmen				1				1			2		4
Millers					1	1	1	1	5	1			10
Miners								1					1
Moulders			2	3	2	2		7		2			18
Music Teachers		2	2	2	1	1	1	4		1			14
Painters and Decorators	1	5	2	2	2	4	4	9	7	2	1	1	40
Physicians			1	1		1	4	1	5	3	2		18
Plasterers	1					2		1	1	3			8
Plumbers and Gasfitters	1	3		1	2	2			1	1			11
Polishers and Grainers		1	2		2			1					6
Policemen				1	1			2	1	1			6
Printers	1	2	2	1	4	1	1	7	2	5			26
Professors			1							2			3

TABLE No. 15 —Continued.

Deaths by Occupations—Cities, 1903.—Continued.

Occupations—Male.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Total.
Public Officials	....	....	1	....	2	1	2	6	8	5	2	....	27
Railroad Employes	....	6	7	6	2	9	7	12	8	8	2	1	74
Sailors	2	1	1	....	....	1	....	2	3	4	2	....	16
Servants	5	3	1	3	....	5	1	5	4	1	1	....	29
School Teachers	1	1	2	....	2	1	....	3	1	3	1	....	15
Shoemakers	....	1	1	....	....	1	2	4	11	5	....	....	25
Stenographers	1	3	1	2	1	..	....	....	.....	.....	....	....	8
Stonecutters	....	3	....	1	2	1	....	....	1	1	....	....	9
Street Railway Employes	....	1	1	2	....	1	1	....	1	1	....	....	8
Students	2	2	....	....	....	....	....	....	.....	.....	....	....	4
Tailors	....	2	2	2	2	3	3	2	4	3	6	1	30
Tanners and Curriers	....	....	....	....	....	2	....	....	.....	.....	....	....	2
Teamsters and Drivers	....	6	8	7	8	5	2	3	11	3	2	....	55
Telegraph Operators	....	4	6	2	1	....	1	1	.....	.....	....	....	15
Tinsmiths	....	3	1	1	....	....	1	1	.....	2	1	....	10
Undertakers	....	....	....	....	....	1	....	....	.....	.....	....	....	1
Upholsterers	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Volunteers and Soldiers	....	....	....	....	2	1	....	....	1	1	2	....	7
Watchmakers and Jewellers	1	2	1	1	....	....	....	1	.....	2	....	....	8
Watchmen	....	....	....	1	....	....	1	6	4	2	1	....	15
Weavers	....	....	....	....	....	1	1	....	1	1	1	....	5
Waiters	1	....	....	....	....	1	....	....	.....	1	....	....	3
Other occupations	3	2	1	2	4	7	....	5	7	5	1	....	37
No occupations	49	34	24	19	15	29	18	65	139	201	187	33	813
Females.													
Actresses	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Artists	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Bookkeepers	2	2	1	....	1	....	....	....	.....	.....	....	....	6
Clerks	2	4	2	2	....	....	2	....	.....	.....	....	....	12
Cooks	....	....	1	....	....	....	....	3	1	.....	....	....	5
Dressmakers	1	4	3	4	2	3	2	3	2	.....	....	....	24
Factory Hands	4	1	....	....	....	....	....	....	1	.....	....	....	6
Forewomen	....	1	....	....	1	....	....	....	.....	.....	....	....	2
Housewives	33	67	106	104	98	120	123	261	304	318	271	18	1,823
Laundry Hands	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Merchants	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Milliners	....	2	5	....	.	1	....	....	2	.....	....	....	10
Music Teachers	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Nuns	....	2	....	2	....	1	....	....	2	4	....	....	11
Nurses	....	5	3	....	....	1	4	5	.....	4	....	1	23
Servants	12	14	8	10	3	6	3	11	23	15	8	....	113
School Teachers	....	....	....	....	2	....	....	3	.....	1	....	....	6
Stenographers	....	2	....	....	....	....	....	....	.....	.....	....	....	2
Students	4	....	....	....	....	....	....	....	.....	.....	....	....	4
Tailoresses	1	7	1	1	....	1	1	3	.....	1	....	....	16
Telegraph Operators	....	....	....	....	....	....	....	....	1	.....	....	....	1
Telephone Operators	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Weavers	....	....	....	....	....	....	....	....	.....	.....	....	....	.....
Other occupations	....	....	....	....	....	....	....	....	2	.....	....	....	2
No occupations	42	46	70	48	41	60	55	154	203	270	202	6	1,197

APPENDIX

BIRTHS BY MONTHS, AND SEX, 1908—COUNTIES.

Counties.	Sex.	Jan'ary.	Feb'ry.	March.	April.	May.	June.	July.	August.	Septem-ber.	October.	Novem-ber.	Decem-ber.	No date given.	Total.	No. Pairs of Twins.	No. Cases of Triplets.	Illegiti-mate.
Grand Total	....	4,643	4,504	4,950	4,998	5,318	4,948	5,025	5,030	4,794	4,568	4,129	4,127	121	57,155	530	6	819
Total Males	....	2,446	2,326	2,632	2,612	2,845	2,622	2,678	2,683	2,524	2,515	2,150	2,162	60	30,255	552	8	399
Total Females	....	2,197	2,178	2,318	2,386	2,473	2,326	2,347	2,347	2,270	2,053	1,979	1,965	61	26,900	508	10	420
Algoma	M	52	50	51	54	63	56	58	62	68	49	39	50	.....	652	8	.....	3
	F	41	40	46	43	55	43	47	42	54	42	49	57	.....	559	8	....	4
		93	90	97	97	118	99	105	104	122	91	88	107	.....	1,211	8	.....	7
Brant	M	43	56	46	47	30	47	35	44	42	33	42	28	.....	493	3	.....	1
	F	47	48	36	45	52	47	36	52	44	33	35	32	....	507	1	.....	3
		90	104	82	92	82	94	71	96	86	66	77	60	....	1,000	2	.....	4
Bruce	M	51	53	39	59	52	45	59	46	55	46	26	35	.....	566	1	.....	1
	F	43	46	56	63	35	46	49	49	58	32	40	47	.....	564	5	.....	5
		94	99	95	122	87	91	108	95	113	78	66	82	.....	1,130	3	.....	6
Carleton	M	120	120	118	110	122	114	99	111	125	102	99	104	.....	1,344	36	.....	113
	F	102	108	131	107	110	130	112	87	108	100	83	84	.....	1,262	30	.....	108
		222	228	249	217	232	244	211	198	233	202	182	188	.....	2,606	33	.....	221
Dufferin	M	14	11	20	26	19	21	15	27	20	14	15	12	6	220	3	.....	2
	F	17	16	12	17	26	14	10	16	21	9	11	6	5	180	5	.....	.....
		31	27	32	43	45	35	25	43	41	23	26	18	11	400	4	.....	2
Elgin	M	42	43	42	31	43	29	47	49	39	50	33	34	3	485	4	.....	1
	F	36	30	31	39	43	37	50	46	43	38	24	34	2	453	2	.....	2
		78	73	73	70	86	66	97	95	82	88	57	68	5	938	3	.....	3

Essex	M	83	62	75	65	72	78	91	64	70	84	69	70	883	18	3	2
	F	55	65	75	53	89	92	55	68	78	54	60	52	2	798	18	2
		138	127	150	118	161	170	146	132	148	138	129	122	2	1,681	18	1	4
Frontenac	M	26	41	30	41	52	38	38	39	43	36	35	28	2	449	10		14
	F	38	42	29	41	39	38	48	33	31	39	31	35		444	10		13
		64	83	59	82	91	76	86	72	74	75	66	63	2	893	10		27
Grey	M	61	64	63	73	62	61	60	78	56	57	50	50		735	11		6
	F	70	59	52	52	63	38	57	64	57	47	54	52		665	7		1
		131	123	115	125	125	99	117	142	113	104	104	102		1,400	9		7
Haldimand	M	17	15	14	20	24	20	22	20	16	17	21	25	1	232	5		4
	F	18	16	14	17	16	19	14	14	21	18	18	17		202	7		
		35	31	28	37	40	39	36	34	37	35	39	42	1	434	6		4
Haliburton	M	3	10	7	8	10	9	14	12	9	5	8	7	1	103	3		1
	F	10	7	3	11	18	4	8	10	6	8	8	8		101	1		1
		13	17	10	19	28	13	22	22	15	13	16	15	1	204	2		2
Halton	M	9	25	32	25	26	28	34	22	15	21	20	15		272	5		1
	F	21	18	14	14	26	13	20	19	11	11	11	16		188	5		1
		30	43	46	39	46	41	54	41	26	32	31	31		460	5		2
Hastings	M	45	38	57	56	60	62	64	52	66	63	45	39	1	648	15		5
	F	48	41	42	57	65	64	57	58	58	53	52	45	1	641	13		1
		93	79	99	113	125	126	121	110	124	116	97	84	2	1,289	14		6
Huron	M	45	48	34	55	57	49	47	41	47	60	32	43		558	15		5
	F	38	42	42	38	66	49	45	47	42	41	35	48		533	7		2
		83	90	76	93	123	98	92	88	89	101	67	91		1,091	11		7

Counties.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total.	No. Pairs of Twins.	No. Cases of Triplets.	Illegitimate.
Kent	M	56	52	54	53	50	42	53	58	56	38	52	40	.....	604	9	.....	4
	F	47	59	53	48	59	49	51	47	58	56	30	49	.....	606	13	.....	5
		103	111	107	101	109	91	104	105	114	94	82	89	.....	1,210	11	.....	9
Lambton	M	50	42	60	49	58	56	43	65	51	45	67	41	3	630	4	.....	5
	F	43	26	41	35	40	45	31	43	49	30	46	46	2	477	8	.....	7
		93	68	101	84	98	101	74	108	100	75	113	87	5	1,107	6	.....	12
Lanark	M	39	23	27	24	31	35	28	24	21	19	26	25	.....	322	6	1	.....
	F	38	28	22	44	34	38	39	41	22	34	25	25	2	392	6	2	2
		77	51	49	68	65	73	67	65	43	53	51	50	2	714	6	1	2
Leeds and Grenville	M	40	49	53	66	50	50	56	57	58	49	44	36	1	609	11	.....	4
	F	53	25	53	36	40	42	41	49	48	38	37	43	3	508	11	.....	3
		93	74	106	102	90	92	97	106	106	87	81	79	4	1,117	11	.....	7
Lennox and Addington	M	4	20	13	19	22	14	11	17	25	17	13	14	.....	189	.....	.....	2
	F	18	24	16	13	27	15	18	7	17	18	20	18	1	212	.....	.....	3
		22	44	29	32	49	29	29	24	42	35	33	32	1	401	.....	.....	5
Lincoln	M	18	35	39	34	52	30	41	24	35	33	32	20	.....	393	6	.....	3
	F	33	26	26	26	27	31	19	26	24	23	30	20	.....	311	6	.....	.....
		51	61	65	60	79	61	60	50	59	56	62	40	.....	704	6	.....	3
Middlesex	M	79	85	88	99	105	101	86	100	86	86	72	82	.....	1,069	12	.....	16
	F	68	77	60	87	67	72	106	87	76	71	71	84	2	928	14	.....	16
		147	162	148	186	172	173	192	187	162	157	143	166	2	1,997	13	.....	32

Muskoka	M	29	22	31	38	34	31	33	29	28	23	26	21	.....	345	3	.....	1
	F	19	23	22	25	26	21	28	21	29	19	25	23	.....	281	11	.....	3
		48	45	53	63	60	52	61	50	57	42	51	44	.....	626	7	.....	4
Nipissing	M	70	64	90	75	94	81	88	73	69	63	53	46	.....	866	12	.....	3
	F	56	52	73	57	66	60	66	68	67	57	64	52	3	741	14	.....	4
		126	116	163	132	160	141	154	141	136	120	117	98	3	1,607	13	.....	7
Norfolk	M	21	20	24	29	24	21	20	22	24	37	20	27	.....	289	3	.....	3
	F	19	14	25	21	23	18	14	34	16	24	18	21	.....	247	1	.....	5
		40	34	49	50	47	39	34	56	40	61	38	48	.....	536	2	.....	8
Northumberland and Durham	M	55	53	59	62	71	51	65	58	56	62	47	38	1	678	16	.....	2
	F	36	25	40	42	43	34	42	52	58	52	30	31	1	486	8	.....	5
		91	78	99	104	114	85	107	110	114	114	77	69	2	1,164	12	.....	7
Ontario	M	42	28	43	36	37	43	49	38	41	43	30	27	6	463	13	.....	1
	F	40	39	32	31	31	49	28	44	44	29	25	29	1	422	7	.....	1
		82	67	75	67	68	92	77	82	85	72	55	56	7	885	10	.....	2
Oxford	M	45	30	58	49	44	54	43	46	38	44	46	35	.....	532	11	.....	.....
	F	29	36	56	47	32	40	38	39	32	36	42	34	1	462	13	.....	2
		74	66	114	96	76	94	81	85	70	80	88	69	1	994	12	.....	2
Parry Sound	M	40	34	44	44	38	50	36	34	53	50	21	34	.....	478	7	.....	2
	F	28	34	33	37	35	44	50	28	19	35	18	16	.....	377	9	.....	5
		68	68	77	81	73	94	86	62	72	85	39	50	.....	855	8	.....	7
Peel	M	22	28	15	21	27	12	22	27	18	27	20	12	.....	251	8	.....	1
	F	17	11	17	15	25	11	17	17	21	15	15	13	1	195	4	.....	5
		39	39	32	36	52	23	39	44	39	42	35	25	1	446	6	.....	6

BIRTHS BY MONTHS, AND SEX, 1908—COUNTIES—*Continued.*

Counties.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total.	No. Pairs of Twins.	No Cases of Triplets.	Illegitimate.
Perth	M	43	37	48	53	38	51	36	47	58	53	46	41	.....	551	11	.....	2
	F	38	33	37	44	43	33	34	40	37	37	36	41	.....	453	7	.....	1
		81	70	85	97	81	84	70	87	95	90	82	82	.....	1,004	9	.....	3
Peterborough	M	41	35	33	33	62	55	48	61	49	53	36	52	.....	558	6	.....	1
	F	36	20	45	47	45	41	28	35	41	30	27	32	1	428	8	.....	4
		77	55	78	80	107	96	76	96	90	83	63	84	1	986	7	.....	5
Prescott and Russell	M	85	69	101	117	106	82	99	101	56	84	73	80	1	1,054	12	.....	.....
	F	80	66	74	84	85	57	68	69	69	54	56	65	.....	827	16	.....	1
		165	135	175	201	191	139	167	170	125	138	129	145	1	1,881	14	.....	1
Prince Edward	M	14	16	14	9	10	17	18	18	16	16	14	16	.....	178	3	.....	3
	F	7	12	24	9	10	13	12	17	12	11	12	11	.....	150	1	.....	2
		21	28	38	18	20	30	30	35	28	27	26	27	.....	328	2	.....	5
Rainy River	M	23	18	31	25	23	22	20	15	28	26	16	17	.....	264	2	.....	2
	F	18	17	23	16	17	17	11	16	19	8	14	17	.....	193	4	.....	2
		41	35	54	41	40	39	31	31	47	34	30	34	.....	457	3	.....	4
Renfrew	M	59	74	68	73	76	80	54	79	70	57	43	58	5	796	15	2	2
	F	49	55	52	58	55	55	70	62	55	52	55	53	4	675	9	1	3
		108	129	120	131	131	135	124	141	125	109	98	111	9	1,471	12	1	5
Simcoe	M	99	93	99	98	122	113	103	109	89	78	64	77	21	1,165	20	.....	7
	F	87	94	89	81	99	103	71	77	74	64	50	43	18	950	18	3	12
		186	187	188	179	221	216	174	186	163	142	114	120	39	2,115	19	1	19

Stormont, Dundas and Glengarry	M	54	47	57	66	64	56	74	71	73	55	59	58	2	736	8	.....	6
	F	49	68	77	73	66	70	63	68	60	67	51	49	.....	761	18	.....	.....
		103	115	134	139	130	126	137	139	133	122	110	107	2	1,497	13	.....	6
Thunder Bay	M	48	39	60	48	49	28	36	33	40	43	44	32	5	505	9	.....	3
	F	42	50	47	40	28	41	44	46	33	34	27	22	3	457	11	.....	1
		90	89	107	88	77	69	80	79	73	77	71	54	8	962	10	.....	4
Victoria	M	28	17	30	40	37	29	42	39	18	37	40	41	.....	398	10	.....	3
	F	31	26	31	33	38	26	35	32	33	32	32	27	.....	376	14	.....	1
		59	43	61	73	75	55	77	71	51	69	72	68	.....	774	12	.....	4
Waterloo	M	74	54	72	79	80	85	81	73	97	72	43	64	.....	874	4	.....	2
	F	52	84	69	71	60	58	65	50	61	55	68	45	. . ..	738	10	.....	5
		126	138	141	150	140	143	146	123	158	127	111	109	.....	1,612	7	.....	7
Welland	M	45	49	31	32	24	42	35	47	35	32	28	31	.....	431	8	.....	.....
	F	35	39	44	54	28	23	40	35	43	29	28	28	.....	426	12	.....	3
		80	88	75	86	52	65	75	82	78	61	56	59	.....	857	10	.....	3
Wellington	M	48	50	58	48	59	47	52	62	48	40	54	42	.....	608	12	.....	4
	F	38	45	40	51	56	49	53	46	46	42	26	34	.....	526	20	.....	2
		86	95	98	99	115	96	105	108	94	82	80	76	.....	1,134	16	.....	6
Wentworth	M	119	106	115	103	117	118	123	118	130	99	78	109	1	1,336	2	2	1
	F	115	95	89	98	113	102	106	110	101	87	96	101	7	1,220	6	1	1
		234	201	204	201	230	220	229	228	231	186	174	210	8	2,556	4	1	2
York	M	445	401	489	420	549	469	500	471	387	497	409	406	.....	5,443	169	.....	157
	F	392	397	425	466	458	435	451	436	374	389	394	360	1	4,978	105	3	173
		837	798	914	886	1,007	904	951	907	761	886	803	766	1	10,421	137	1	330

BIRTHS BY MONTHS, AND SEX, 1908—CITIES.

Cities.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total.	No. Pairs of Twins.	No. Cases of Triplets.	Illegitimate.
Grand Total	....	1,543	1,404	1,597	1,567	1,664	1,564	1,621	1,548	1,411	1,469	1,358	1,311	6	18,063	153	1	647
Total Males	....	827	725	833	772	886	781	848	804	728	807	684	698	2	9,395	166	.....	343
Total Females	....	716	679	764	795	778	783	773	744	683	662	674	613	4	8,668	140	3	304
Belleville	M	10	8	11	8	7	10	16	12	19	17	7	7	1	133	.....	.....	2
	F	6	5	8	12	13	11	10	13	14	7	6	9	1	115	4	.....	.....
		16	13	19	20	20	21	26	25	33	24	13	16	2	248	2	.....	2
Brantford	M	21	30	27	31	16	33	22	25	25	19	17	17	.....	283	2	.....	.....
	F	33	24	18	26	35	33	23	27	31	20	23	21	.....	314	.....	.....	2
		54	54	45	57	51	66	45	52	56	39	40	38	.....	597	1	.....	2
Chatham	M	15	10	10	11	6	7	10	11	10	5	10	10	.....	115	3	.....	.....
	F	5	11	8	8	13	8	7	13	10	15	6	10	.....	114	1	.....	1
		20	21	18	19	19	15	17	24	20	20	16	20	.....	229	2	.....	1
Fort William	M	28	20	26	25	23	12	18	13	16	14	17	13	.....	225	1	.....	3
	F	17	31	27	19	13	19	19	19	17	13	13	10	.....	217	5	.....	.....
		45	51	53	44	36	31	37	32	33	27	30	23	.....	442	3	.....	3
Guelph	M	9	12	12	12	23	17	15	14	15	11	15	5	.....	160	.....	.....	2
	F	14	12	15	11	14	13	17	11	13	11	12	4	.....	147	.....	.....	.....
		23	24	27	23	37	30	32	25	28	22	27	9	.....	307	.....	.....	2
Hamilton	M	92	78	82	72	91	85	96	79	73	67	56	79	1	951	1	.....	.....
	F	88	60	69	81	80	66	67	71	73	63	70	82	1	871	5	.....	.....
		180	138	151	153	171	151	163	150	146	130	126	161	2	1,822	3	.....	.....

Kingston	M	16	15	15	20	22	15	17	17	18	8	16	17	.....	196	5	.....	10
	F	18	20	15	15	18	21	28	13	15	15	11	10	.....	199	5	.....	10
		34	35	30	35	40	36	45	30	33	23	27	27	.....	395	5	.....	20
London	M	49	43	45	57	64	49	43	51	39	39	38	39	.....	556	5	.....	14
	F	30	34	30	43	28	38	57	43	41	32	46	46	.....	468	7	.....	15
		79	77	75	100	92	87	100	94	80	71	84	85	.....	1,024	6	.....	29
Niagara Falls	M	11	17	12	5	4	9	13	15	10	7	10	5	.....	118	2	.....	.....
	F	7	10	12	12	5	6	10	11	7	5	9	2	.....	96	2	.....	.....
		18	27	24	17	9	15	23	26	17	12	19	7	.....	214	2	.....	.....
Ottawa	M	89	94	92	95	84	93	81	86	91	71	71	86	.....	1,033	31	.....	173
	F	84	81	101	87	91	97	88	64	89	81	69	70	.....	1,002	23	.....	108
		173	175	193	182	175	190	169	150	180	152	140	156	.....	2,035	54	.....	281
Peterborough	M	26	11	14	14	25	23	21	26	21	24	21	24	.....	250	1	.....	1
	F	19	12	21	25	17	25	8	18	17	13	17	17	.....	209	1	.....	1
		45	23	35	39	42	48	29	44	38	37	38	41	.....	459	1	.....	2
Port Arthur	M	19	12	25	20	20	13	13	14	21	31	22	13	.....	223	7	.....	.....
	F	18	11	11	13	9	20	16	22	10	19	12	8	.....	169	5	.....	.....
		37	23	36	33	29	33	29	36	31	50	34	21	.....	392	6	.....	.....
St. Catharines	M	8	14	14	15	23	15	15	10	16	17	8	10	.....	165	2	.....	2
	F	14	8	15	12	16	14	5	11	9	10	9	6	.....	129	4	.....	.....
		22	22	29	27	39	29	20	21	25	27	17	16	.....	294	3	.....	2
Stratford	M	11	12	8	18	8	11	10	17	20	25	12	10	.....	162	3	.....	.....
	F	11	13	12	15	18	12	10	8	9	13	8	10	.....	139	1	.....	.....
		22	25	20	33	26	23	20	25	29	38	20	20	.....	301	2	.....	.....

BIRTHS BY MONTHS, AND SEX, 1908—CITIES—*Continued*

Cities.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total.	No. Pairs of Twins.	No. Cases of Triplets.	Illegitimate.
St. Thomas	M	12	15	14	10	11	11	12	18	11	15	12	14	.....	155	2	.....	.....
	F	14	13	18	15	18	14	18	23	14	13	9	10	.....	179	.....	.....	2
		26	28	32	25	29	25	30	41	25	28	21	24	.....	334	1	.....	2
Toronto	M	354	308	363	311	423	346	384	358	281	394	306	304	.....	4,132	90	.....	135
	F	306	298	333	354	347	331	357	341	279	301	295	263	1	3,806	86	3	163
		660	606	696	665	770	677	741	699	560	695	601	567	1	7,938	88	1	298
West Toronto	M	18	14	20	18	25	15	23	24	14	18	14	18	.....	221	5	.....	.....
	F	17	19	14	25	15	22	15	13	13	14	22	23	.....	212	5	.....	1
		35	33	34	43	40	37	38	37	27	32	36	41	.....	433	5	.....	1
Windsor	M	31	9	20	18	13	9	32	8	13	17	22	20	.....	212	5	.....	1
	F	8	7	15	15	18	26	15	14	18	15	24	7	1	183	5	.....	1
		39	16	35	33	31	35	47	22	31	32	46	27	1	395	5	.....	2
Woodstock	M	8	3	23	12	8	8	7	6	5	8	10	7	.....	105	1	.....	.....
	F	7	10	22	7	10	7	3	9	4	2	13	5	.....	99	1	.....	.....
		15	13	45	19	18	15	10	15	9	10	23	12	.....	204	1	.....	.....

BIRTHS BY MONTHS, AND SEX, 1908—TOWN

Towns.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total.	No. Pairs of Twins.	No. Cases of Triplets.	Illegitimate.
Grand Total	....	251	251	247	278	280	265	287	277	289	251	219	239	.....	3,134	28	.....	24
Total Males	..	126	133	144	154	159	155	166	157	152	148	117	125	.....	1,736	32	.....	10
Total Females	....	125	118	103	124	121	110	121	120	137	103	102	114	.....	1,398	24	.....	14
Barrie	M	11	7	11	6	14	12	5	11	8	14	7	9	.....	115	.....	.....	.....
	F	12	10	4	3	11	8	3	6	9	6	7	6	.....	85	2	.....	1
		23	17	15	9	25	20	8	17	17	20	14	15	.....	200	1	.....	1
Berlin	M	15	14	16	16	20	31	32	23	33	32	11	31	.....	274	2	.....	.....
	F	14	25	12	15	18	13	20	11	14	24	16	10	.....	192	6	.....	2
		29	39	28	31	38	44	52	34	47	56	27	41	.....	466	4	.....	2
Brockville	M	5	13	8	11	9	7	14	10	15	9	12	7	.....	120	2	.....	2
	F	10	4	15	5	6	8	5	6	12	3	7	10	.....	91	2	.....	2
		15	17	23	16	15	15	19	16	27	12	19	17	.....	211	2	.....	4
Collingwood	M	10	7	9	13	8	7	13	13	5	8	6	4	.. ...	103	6	.....	2
	F	6	10	4	13	13	12	7	4	10	11	6	4	.....	100	.....	.....	3
		16	17	13	26	21	19	20	17	15	19	12	8	.....	203	3	.....	5
Cornwall	M	8	7	2	5	5	5	7	8	6	7	7	6	.....	73	2	.....	1
	F	7	7	.....	4	5	9	1	6	6	6	7	8	.....	66	2	.....	1
		15	14	2	9	10	14	8	14	12	13	14	14	.....	139	2	.....	2
Galt	M	12	7	9	12	9	14	14	7	11	5	2	3	.....	105	1	.....	.....
	F	7	7	4	16	7	10	10	8	7	5	4	5	.....	90	1	.....	.....
		19	14	13	28	16	24	24	15	18	10	6	8	.....	195	1	.....	.....

BIRTHS BY MONTHS AND SEX, 1908—TOWNS—*Continued.*

Towns.	Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date given.	Total.	No. Pairs of Twins.	No. Cases of Triplets.	Illegitimate.
Hawkesbury	M	11	9	14	14	16	14	13	17	5	9	9	11	.....	142	4	.....	.....
	F	14	12	16	12	5	8	21	13	7	5	8	11	.....	132	.....	.....	.....
		25	21	30	26	21	22	34	30	12	14	17	22	.....	274	2	.....	.....
Kenora	M	8	6	9	9	12	4	8	5	11	11	6	6	.....	95	2	.....	.....
	F	3	9	8	2	4	2	5	4	7	5	4	7	.....	60	2	.....	.....
		11	15	17	11	16	6	13	9	18	16	10	13	.....	155	2	.....	.....
Lindsay	M	7	8	5	7	8	3	4	8	6	6	7	8	.....	77	.....	.....	.....
	F	9	1	10	5	5	4	7	4	10	4	4	7	.....	70	.....	.....	.....
		16	9	15	12	13	7	11	12	16	10	11	15	.....	147	.....	.....	.....
Orillia	M	5	2	5	4	7	7	10	6	5	4	3	7	.....	65	3	.....	.....
	F	1	4	6	6	10	4	7	4	9	4	2	5	.....	62	3	.....	.....
		6	6	11	10	17	11	17	10	14	8	5	12	.....	127	3	.....	.....
Owen Sound	M	7	15	20	23	13	12	21	12	11	17	9	6	.....	166	3	.....	3
	F	13	10	7	13	14	4	12	19	8	9	10	14	.....	133	1	.....	1
		20	25	27	36	27	16	33	31	19	26	19	20	.....	299	2	.....	4
Pembroke	M	6	9	6	6	9	10	2	8	7	5	9	8	.....	85	.....	.....	.....
	F	9	5	3	5	4	5	6	10	10	6	9	10	.....	82	.....	.....	.....
		15	14	9	11	13	15	8	18	17	11	18	18	.....	167	.....	.....	.....

Sarnia	M	4	13	13	8	12	15	12	14	15	10	12	10	.....	138	.....	.....	1
	F	11	3	6	8	5	11	5	11	15	3	4	3	.....	85	2	.....	4
		15	16	19	16	17	26	17	25	30	13	16	13	.....	223	1	.....	5
Sault Ste Marie	M	11	11	11	16	7	11	6	7	11	6	8	7	.....	112	4	.....	.....
	F	7	6	4	8	6	8	6	5	10	8	9	9	.....	86	2	.....	.....
		18	17	15	24	13	19	12	12	21	14	17	16	.....	198	3	.....	.....
Smith's Falls	M	6	5	6	4	10	3	5	8	3	5	9	2	.....	66	3	.....	1
	F	2	5	4	9	8	4	6	9	3	4	5	5	.....	64	3	.....	.....
		8	10	10	13	18	7	11	17	6	9	14	7	.....	130	3	.....	1

MARRIAGES BY MONTHS, 1908.—COUNTIES.

Counties.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date.
Grand Total	21,058	1,588	1,306	1,405	1,578	1,214	2,975	1,464	1,549	2,400	1,705	1,710	2,149	15
Algoma	475	56	53	43	37	24	57	45	29	47	23	37	24	.....
Brant	329	21	24	23	20	24	53	22	21	38	19	27	37	.....
Bruce	299	33	21	33	27	18	48	13	12	28	33	15	18	.....
Carleton	925	63	64	46	74	58	151	56	75	119	89	83	47	.....
Dufferin	140	21	7	7	6	3	24	7	5	17	11	8	24	.....
Elgin	396	30	26	26	34	19	51	23	24	44	38	29	52	.....
Essex	2,120	133	128	126	132	152	235	184	212	255	206	172	184	1
Frontenac	326	27	20	14	19	22	42	23	26	42	29	22	40	.....
Grey	412	34	36	51	14	14	58	23	21	37	24	34	60	4
Haldimand	174	10	16	10	7	6	23	9	7	23	22	14	27	.....
Haliburton	37	1	1	3	6	1	2	3	1	7	5	1	6	.....
Halton	118	8	7	11	10	9	22	8	5	10	5	9	14	.....
Hastings	486	36	21	38	35	22	65	35	34	70	34	43	52	1
Huron	376	41	26	35	25	16	50	22	14	45	24	28	50	.....
Kent	425	38	27	28	33	22	47	16	25	35	48	51	55	.....
Lambton	483	27	30	32	38	32	52	35	36	66	39	37	59	.....
Lanark	223	21	14	15	11	6	39	13	19	29	6	19	31	.....
Leeds and Grenville	433	33	34	34	31	25	62	21	37	58	33	28	37	.....
Lennox and Addington	173	21	11	11	12	7	17	12	12	18	12	16	24	.....
Lincoln	231	10	9	15	12	15	45	13	19	34	25	15	19	.....

Middlesex	781	65	40	55	71	40	96	49	57	90	65	63	90	.....
Muskoka	150	19	11	13	7	4	18	10	14	20	11	5	18	.....
Nipissing	378	44	18	14	34	28	54	34	25	36	28	36	24	3
Norfolk	208	14	12	13	17	10	29	15	14	23	17	15	29	.....
Northumberland and Durham	395	33	31	28	46	24	45	20	27	30	37	36	38	.....
Ontario	261	25	27	20	20	9	39	12	14	28	25	16	24	2
Oxford	332	29	22	28	29	15	44	19	16	35	23	29	43	.....
Parry Sound	193	12	6	6	18	11	33	11	22	22	16	14	22	.....
Peel	153	10	10	15	7	9	19	10	8	24	15	12	14	.....
Perth	349	36	27	31	22	14	65	25	18	33	30	16	32	.....
Peterborough	294	26	21	24	18	21	38	10	18	42	30	27	19	.....
Prescott and Russell	333	26	33	16	23	37	46	41	31	46	20	11	3	.....
Prince Edward	139	21	8	7	7	11	17	10	5	11	5	15	22	.....
Rainy River	196	12	9	7	15	17	33	15	21	14	13	23	16	1
Renfrew	370	31	17	17	26	15	73	35	33	40	25	33	25	.....
Simcoe	574	49	28	53	51	30	85	32	32	63	42	43	66	.....
Stormont, Dundas and Glengarry	436	36	37	34	29	14	54	30	23	57	35	36	51	.....
Thunder Bay	305	12	15	15	19	22	45	20	35	25	33	39	25	.....
Victoria	183	12	11	24	19	10	22	12	10	12	10	15	26	.....
Waterloo	463	35	40	26	40	29	69	30	19	53	34	41	47	.....
Welland	767	40	36	47	61	36	91	73	77	84	84	75	63	.....
Wellington	431	29	24	32	35	21	71	22	25	44	33	38	56	1
Wentworth	887	58	52	54	84	48	155	44	62	107	78	58	86	1
York	3,899	250	196	225	295	244	591	302	309	439	271	326	450	1

MARRIAGES BY MONTHS, 1908.—CITIES.

Cities.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date.
Grand Total	9,369	581	527	535	716	601	1,305	711	821	1,103	763	788	916	2
Belleville	143	7	5	10	13	7	19	13	10	28	7	15	9	.....
Brantford	217	13	18	14	12	14	36	18	19	26	10	16	21	.....
Chatham	137	10	6	13	14	6	12	8	8	16	14	14	16	.....
Fort William	139	3	9	10	12	11	21	4	12	12	20	15	10	.....
Guelph	191	6	7	7	14	11	27	13	14	20	18	25	28	1
Hamilton	739	45	41	42	76	44	120	40	53	88	69	51	69	1
Kingston	220	20	13	9	12	16	22	20	22	29	21	15	21	.....
London	467	32	26	28	43	28	58	37	42	52	40	33	48	.....
Niagara Falls	409	21	21	28	37	23	43	39	49	41	35	38	34	....
Ottawa	778	53	57	38	64	46	116	49	69	104	72	75	35	.....
Peterborough	166	13	8	16	11	11	22	6	11	25	21	15	7	.....
Port Arthur	155	8	6	5	7	10	20	16	21	12	12	23	15	.....
St. Catharines	115	3	8	6	6	9	25	7	7	16	12	7	9	.....
Stratford	113	9	5	6	3	8	27	8	7	15	8	8	9	.....
St. Thomas	188	12	14	10	19	11	15	7	12	22	19	18	29	.....
Toronto	3,435	213	171	183	266	221	521	272	286	383	235	290	394	.....
West Toronto	94	7	5	6	6	3	17	6	5	14	6	7	12	.....
Windsor	1,564	97	103	96	97	117	165	144	168	185	141	117	134	.....
Woodstock	99	9	4	8	4	5	19	4	6	15	3	6	16	.....

MARRIAGES BY MONTHS, 1908.—TOWNS OVER 5,000 POPULATION.

Towns.	Total.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No date.
Grand Total	1,396	114	102	103	105	76	175	118	110	154	79	116	140	4
Barrie	89	11	6	8	6	4	16	12	1	10	3	5	7	.....
Berlin	141	10	16	7	18	9	22	12	7	12	8	12	8	.....
Brockville	110	3	7	7	6	11	21	6	12	16	10	1	10	.....
Collingwood	66	8	3	8	6	3	7	3	5	6	5	4	8	.....
Cornwall	75	5	5	9	4	4	9	5	5	9	3	8	9	.....
Galt	73	8	1	.....	11	2	11	8	5	11	5	4	7	.....
Hawkesbury	44	6	4	4	4	5	4	4	6	4	1	2	.....	.....
Kenora	94	5	4	2	4	10	13	7	10	9	9	11	10	.....
Lindsay	81	5	4	11	4	2	7	7	6	9	4	8	14	.....
Orillia	69	3	5	5	5	5	8	3	10	6	7	4	8	.....
Owen Sound	103	12	12	7	4	3	16	6	5	6	3	9	16	4
Pembroke	58	8	1	1	4	.....	3	5	7	8	3	13	5	.....
Sarnia	218	14	10	18	15	12	20	24	13	28	15	21	28	.....
Sault Ste. Marie	122	11	17	11	13	6	11	12	11	15	3	8	4	.....
Smith's Falls	53	5	7	5	1	.....	7	4	7	5	.....	6	6	.....

MARRIAGES BY DENOMINATIONS AND AGES—COUNTIES, 1908.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Counties.	Ages.											
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denomination.	No denomination.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	3,911	4,267	6,316	3,243	1,336	246	675	110	154	85	512	203	.....	.....	21,058	Total Males...	379	7,171	6,783	3,107	1,443	800	512	303	212	134	84	64	66
Females....	3,937	4,119	6,211	3,451	1,436	218	668	143	128	86	481	180	.....	.....	21,058	Total Females.	3,747	8,675	4,706	1,783	895	436	293	163	93	41	25	15	186
Total	7,848	8,386	12,527	6,694	2,772	464	1,343	253	282	171	993	383	18,759	2,299	42,116	Grand Total ..	4,126	15,846	11,489	4,890	2,358	1,236	805	466	305	175	109	79	252
Males	58	125	102	147	18	4	13	....	....	1	7	....	.....	.....	475	Algoma	6	178	157	71	23	20	12	3	3	2	....	..	....
Females....	55	127	96	157	22	3	7	....	....	1	7	....	.....	.....	475		137	207	80	23	11	6	5	4	2	....	....	..	....
Total	113	252	198	304	40	7	20	....	....	2	14	....	406	69	950		143	385	237	94	34	26	17	7	5	2	....	..	....
Males	47	55	115	22	69	11	3	....	...	1	6	....	.....	.....	329	Brant	8	123	108	42	19	7	10	5	4	2	1	..	....
Females....	57	48	120	26	66	6	3	....	...	1	2	....	.....	.....	329		52	145	80	21	17	7	3	1	3	....	....	..	....
Total	104	103	235	48	135	17	6	....	....	2	8	....	314	15	658		60	268	188	63	36	14	13	6	7	2	1	..	....
Males	37	104	78	37	17	3	17	3	....	....	3	....	.....	.....	299	Bruce.....	3	65	110	64	29	12	5	4	1	3	1	2	....
Females.. .	31	110	75	39	14	....	13	12	....	....	5	....	.....	.....	299		40	131	72	33	7	3	8	2	3	....	....	..	....
Total	68	214	153	76	31	3	30	15	....	...	8	....	265	34	598		43	196	182	97	36	15	13	6	4	3	1	2	....
Males	188	141	123	386	23	12	15	....	18	4	15	....	.....	.....	925	Carleton ...	22	324	285	134	62	41	17	10	10	12	6	2	....
Females....	174	142	118	399	31	3	14	1	18	5	20	....	.....	.....	925		157	380	233	71	39	16	15	5	7	1	1	..	....
Total	362	283	241	785	54	15	29	1	36	9	35	....	709	216	1,850		179	704	518	205	101	57	32	15	17	13	7	2	....
Males	32	48	47	3	3	4	.....	....	....	....	3	....	.....	.....	140	Dufferin ...	1	42	47	33	10	4	1	...	.....	2	....	..	....
Females....	31	45	46	3	8	2	.....	....	....	....	5	....	.....	.....	140		17	46	54	14	5	4	....	....	.....	....	....	..	..
Total	63	93	93	6	11	6	...	...	....	....	8	....	136	4	280		18	88	101	47	15	8	1	....	.....	2	...	..	....
Males	55	76	169	19	58	2	1	2	....	2	12	....	.....	.....	396	Elgin	9	138	139	47	27	9	7	5	8	3	1	3	...
Females....	46	78	162	15	67	2	2	3	....	4	17	....	.....	.....	396		72	178	72	40	13	8	8	1	1	3	....	..	....
Total	101	154	331	34	125	4	3	5	....	6	29	....	390	6	792		81	316	211	87	40	17	15	6	9	6	1	3	....

Males	243	269	679	379	195	66	141	17	16	2	77	36	.....	.....	2,120	Essex	77	830	522	257	173	94	66	30	40	13	10	7	1
Females	249	240	659	425	208	67	159	11	11	5	71	15	.....	.....	2,120		557	767	362	135	137	59	43	32	16	8	....	2	2
Total	492	509	1,338	804	403	133	300	28	27	7	148	51	1,983	137	4,240		634	1,597	884	392	310	153	109	62	56	21	10	9	3
Males	69	48	130	46	7	3	1	1	1	3	8	9	.....	.....	326	Frontenac	6	127	89	48	20	10	12	6	1	....	4	1	2
Females	78	33	130	53	10	7	1	....	1	3	3	7	.....	.....	326		60	147	60	19	17	6	7	1	1	....	1	..	7
Total	147	81	260	99	17	10	2	1	2	6	11	15	315	11	652		66	274	149	67	37	16	19	7	2	....	5	1	9
Males	56	130	150	21	20	....	22	2	....	1	9	1	.....	.....	412	Grey	3	128	131	68	36	20	9	6	3	3	....	1	1
Females	38	140	150	20	19	1	20	5	....	1	12	6	.....	.....	412		67	174	82	42	17	6	8	2	1	...	....	1	12
Total	94	270	300	41	39	1	42	7	....	2	21	7	392	20	824		70	302	216	110	53	26	17	8	4	3	....	2	13
Males	19	24	63	5	27	....	10	2	....	1	16	7	.....	.....	174	Haldimand	4	74	47	22	9	1	6	3	1	....	2	..	5
Females	25	28	63	4	21	....	6	6	....	....	18	3	.....	.....	174		38	72	30	12	6	3	2	....	....	1	1	..	9
Total	44	52	126	9	48	....	16	8	....	1	34	10	169	5	348		42	116	77	34	15	4	8	3	1	1	3	..	14
Males	14	3	18	.....	2	....	.....	.....	.....	.....	.....	.....	.....	.....	37	Haliburton	2	13	12	5	2	2	....	....	1	....	....	..	....
Females	15	2	15	.....	4	....	.....	.....	.....	.....	.....	1	.....	.....	37		12	13	7	3	1	.....	....	1	....	....	....	..	....
Total	29	5	33	.....	6	....	.....	.....	.....	.....	.....	1	37	.....	74		14	26	19	8	3	2	....	1	1	....	....	..	....
Males	22	41	45	.....	5	1	1	....	....	....	1	2	.....	.....	118	Halton	1	39	42	17	10	5	2	....	....	1	....	..	1
Females	28	30	48	4	5	1	.....	....	....	....	2	....	.....	.....	118		13	51	29	15	5	.....	1	....	....	....	....	..	4
Total	50	71	93	4	10	2	1	....	...	....	3	2	115	3	236		14	90	71	32	15	5	3	....	....	1	....	..	5
Males	86	58	244	67	5	2	3	....	....	2	9	10	.....	.....	486	Hastings	13	177	141	67	34	18	11	9	6	5	4	1	....
Females	95	52	233	82	6	....	3	....	....	2	10	3	.....	.....	486		104	193	96	42	15	9	12	8	1	1	....	..	5
Total	181	110	477	149	11	2	5	....	...	4	19	13	427	59	972		117	370	237	109	49	27	23	17	7	6	4	1	5
Males	41	141	134	28	7	1	14	5	....	....	4	1	.....	.....	376	Huron	3	96	137	76	26	13	9	6	3	3	..	2	2
Females	42	134	131	28	5	1	17	10	....	1	4	3	.....	.....	376		30	156	104	48	16	8	4	1	1	1	....	1	6
Total	83	275	265	56	12	2	31	15	....	1	8	4	348	28	752		33	252	241	124	42	21	13	7	4	4	...	3	8
Males	50	91	155	75	35	....	1	....	....	2	12	4	.....	.....	425	Kent	4	161	139	51	31	10	12	9	2	3	2	..	1
Females	52	77	150	75	51	....	.....	....	....	3	10	7	.....	.....	425		91	175	104	23	8	10	7	3	....	2	....	..	2
Total	102	168	305	150	86	....	1	....	....	5	22	11	370	55	850		95	336	243	74	39	20	19	12	2	5	2	..	3
Males	71	108	199	32	40	10	7	....	1	2	7	6	.....	.....	483	Lambton	9	142	173	72	29	22	11	10	6	3	4	2	...
Females	66	118	193	29	53	7	6	....	....	2	5	4	.....	.....	483		92	194	103	47	18	11	5	5	3	2	2	1	....
Total	137	226	392	61	93	17	13	....	1	4	12	10	464	19	966		101	336	276	119	47	33	16	15	9	5	6	3	....

MARRIAGES BY DENOMINATIONS AND AGES—COUNTIES, 1908.—Continued.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Counties.	Ages.										
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denomination.	No denomination.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	55	74	54	23	4	4	.....	....	....	1	6	2	.....	.....	223	Lanark	2	63	71	45	25	5	5	1	4	....	1	..	1
Females	56	72	50	26	10	3	.....	....	....	1	4	1	.....	.....	223		28	99	57	21	6	1	5	....	....	1	....	..	5
Total	111	146	104	49	14	7	.....	....	....	2	10	3	207	16	446		30	162	128	66	31	6	10	1	4	1	1	..	6
Males	76	67	176	71	29	1	1	....	....	....	8	4	.....	.....	433	Leeds and Grenville	11	144	117	63	17	13	11	11	7	4	1	1	....
Females	84	62	167	74	29	1	1	....	....	....	13	2	.....	.....	433		65	169	105	49	21	6	8	5	3	....	1	..	1
Total	160	129	343	145	58	2	2	....	....	....	21	6	386	47	866		76	313	222	112	68	19	19	16	10	4	2	1	1
Males	30	21	96	16	1	....	2	....	....	1	3	3	.....	.....	173	Lennox and Addington	8	70	32	27	15	8	4	4	2	....	1	2	....
Females	41	14	93	22	.....	....	.....	...	....	1	.....	2	.....	.....	173		32	73	30	17	9	5	1	2	1	1	....	1	1
Total	71	35	189	38	1	....	2	....	...	2	3	5	160	13	346		40	143	62	44	24	13	5	6	3	1	1	3	1
Males	48	45	81	21	19	3	4	....	....	....	8	2	.....	.....	231	Lincoln	2	93	58	33	21	4	6	5	4	3	1	..	1
Females	54	54	72	17	14	4	3	....	....	....	10	3	.....	.....	231		36	99	46	20	7	8	6	4	....	....	....	..	5
Total	102	99	153	38	33	7	7	...	....	....	18	5	219	12	462		38	192	104	53	28	12	12	9	4	3	1	..	6
Males	164	160	267	60	80	7	4	3	4	6	18	8	.....	.....	781	Middlesex	10	260	269	112	55	29	16	9	5	4	2	4	6
Females	166	160	264	58	86	5	4	2	5	5	17	9	.....	.....	781		98	335	197	59	41	15	13	1	3	1	....	..	15
Total	330	320	531	118	166	12	8	5	9	11	35	17	743	38	1,562		108	595	466	171	96	44	29	13	8	5	2	4	21
Males	29	43	63	7	4	....	.....	....	....	1	2	1	.....	.....	150	Muskoka	3	54	47	28	11	2	2	1	....	2	....	..	....
Females	40	36	60	6	6	...	...	....	....	....	1	1	.....	.....	150		36	69	30	10	3	1	1	....	....	....	....	..	....
Total	69	79	123	13	10	....	.....	....	....	1	3	2	146	4	300		39	123	77	38	14	3	3	1	....	2	....	..	....
Males	41	71	44	193	11	2	7	1	....	1	3	4	.....	.....	378	Nipissing	7	144	127	46	22	8	9	4	2	...	1	..	8
Females	36	65	41	207	14	1	7	....	....	2	3	2	.....	.....	378		123	157	45	19	12	5	1	1	1	1	....	..	13
Total	77	136	85	400	25	3	14	1	....	3	6	6	221	157	756		130	301	172	65	34	13	10	5	3	1	1	..	21

Males	25	20	93	6	60	....	2	....	....	1	1	....	.....	.....	208	Norfolk	9	78	67	19	10	6	7	3	2	5	1	1	....
Females....	15	19	89	6	73	1	1	....	....	1	2	1	.....	.....	208		57	81	31	8	12	3	4	3	3	....	....	..	6
Total	40	39	182	12	133	1	3	....	....	2	3	1	203	5	416		66	159	98	27	22	9	11	6	5	5	1	1	6
Males	63	79	199	32	15	1	1	....	....	1	4	....	.....	.....	395	Northumb'ld and Durham	9	118	107	74	26	22	19	6	7	....	2	3	2
Females....	75	79	187	34	14	1	.....	1	....	....	.....	4	.....	.....	395		52	161	89	41	15	15	10	3	3	....	1	..	5
Total	138	158	386	66	29	2	1	1	....	1	4	4	372	23	790		61	279	196	115	41	37	29	9	10	....	3	3	7
Males	25	70	121	16	13	3	.....	....	....	2	10	1	.....	.....	261	Ontario	2	57	100	47	19	17	8	3	2	2	....	2	2
Females....	24	57	124	16	22	1	.....	....	....	4	12	1	.....	.....	261		45	55	90	30	18	5	4	2	1	....	6	..	5
Total	49	127	245	32	35	4	.....	....	....	6	22	2	246	15	522		47	112	190	77	37	22	12	5	3	2	6	2	7
Males	51	68	118	9	53	5	6	2	1	1	17	1	.....	.....	332	Oxford	12	97	110	51	15	14	13	6	9	2	3	..	.....
Females....	54	79	102	10	53	8	7	3	....	1	12	3	.....	.....	332		57	113	88	32	20	5	4	7	1	2	1	..	2
Total	105	147	220	19	106	13	13	5	1	2	29	4	320	12	664		69	210	198	83	35	19	17	13	10	4	4	..	2
Males	39	45	46	39	12	....	5	2	....	....	5	....	.....	.....	193	Parry Sound	.....	65	68	32	13	5	1	2	1	1	1	..	4
Females....	34	48	42	33	12	....	3	2	....	....	8	11	.....	.....	193		68	71	33	11	3	1	1	....	1	....	....	..	4
Total	73	93	88	72	24	....	8	4	....	....	13	11	167	26	386		68	136	101	43	16	6	2	2	2	1	1	..	8
Males	27	34	61	22	2	3	.....	....	....	....	.....	4	.....	.....	153	Peel	.....	34	61	30	13	5	4	....	3	1	1	1	....
Females. ..	22	39	62	21	4	1	.....	....	....	....	1	3	.....	.....	153		13	62	48	16	4	4	2	....	3	....	....	1	....
Total ...	49	73	123	43	6	4	.....	....	....	....	1	7	136	17	306		13	96	109	46	17	9	6	....	6	1	1	2	....
Males	46	86	103	31	11	3	46	15	....	1	3	4	.....	.....	349	Perth	3	96	144	51	26	9	7	5	2	2	1	2	1
Females ...	44	93	97	29	7	4	39	26	....	....	4	6	.....	.....	349		41	152	91	39	12	6	2	1	...	....	....	2	3
Total	90	179	200	50	18	7	85	41	....	1	7	10	325	21	698		44	248	235	90	38	15	9	6	2	2	1	4	4
Males	66	38	96	70	16	....	.....	....	....	....	4	4	.....	.....	294	Peterboro' .	3	86	99	51	27	15	6	3	1	....	1	2	...
Females....	51	36	116	71	16	....	.....	....	....	1	3	....	.....	.....	294		55	118	74	22	13	2	3	1	3	....	1	1	1
Total	117	74	212	141	32	....	.....	....	....	1	7	4	231	63	588		58	204	173	73	40	17	9	4	4	....	2	3	1
Males	12	28	7	271	6	....	.....	....	....	....	.....	9	.....	.....	333	Prescott & Russell	6	148	90	45	17	5	4	5	3	1	2	..	7
Females....	10	31	7	276	8	...	.....	....	....	....	.....	1	.....	.....	333		100	142	39	18	8	6	4	2	1	....	1	..	12
Total	22	59	14	547	14	....	.....	....	....	....	.....	10	90	243	666		106	290	129	63	25	11	8	7	4	1	3	..	19
Males	19	12	93	6	1	1	1	....	...	1	3	2	.....	.....	139	Prince Edward	1	52	37	20	6	5	3	4	1	1	4	3	2
Females....	22	7	99	6	2	1	.....	....	....	1	.....	1	.....	.....	139		35	56	15	10	5	4	2	2	2	4	1	..	3
Total	41	19	192	12	3	2	1	....	....	2	3	3	135	4	278		36	108	52	30	11	9	5	6	3	5	5	3	5

MARRIAGES BY DENOMINATIONS AND AGES—COUNTIES, 1908.—Continued.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Counties.	Ages.											
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denomination.	No denomination.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	50	60	9	36	4	2	21	....	...	...	2	7	.....	.....	196	Rainy River	1	62	92	17	8	8	1	1	3	...	....	..	3
Females	44	38	18	49	6	1	28	....	....	1	2	9	.....	.....	196		56	86	29	11	8	.....	2	....	....	....	....	..	4
Total	94	98	27	85	10	3	49	....	..	1	9	16	165	31	392		57	148	121	28	16	8	3	1	3	....	....	..	7
Males	35	74	52	135	15	....	40	14	1	...	2	2	.....	.....	370	Renfrew	6	104	156	47	23	7	14	4	3	3	2	..	1
Females	36	63	51	139	18	....	37	19	1	....	4	2	.....	.....	370		67	174	72	25	17	6	4	1	2	2	....	..	...
Total	71	137	103	274	33	....	77	33	2	....	6	4	248	122	740		73	278	228	72	40	13	18	5	5	5	2	..	1
Males	98	168	181	74	26	6	.. ...	....	....	2	15	4	.....	.....	574	Simcoe	6	168	192	87	40	39	15	9	3	2	5	2	6
Females	84	157	204	69	29	2	.....	....	....	2	16	11	.....	.....	574		87	229	135	57	24	17	7	3	1	2	....	2	10
Total	182	325	385	143	55	8	.....	....	....	4	31	15	509	65	1,148		93	397	327	144	64	56	22	12	4	4	5	4	16
Males	36	113	137	116	12	4	11	....	....	....	3	4	.....	.....	436	Stormont Dundas and Glengarry	10	159	111	72	35	19	11	9	1	1	4	1	....
Females	45	107	124	128	13	1	8	....	....	....	5	5	.....	.....	436		80	195	77	40	11	10	8	3	1	1	1	1	8
Total	81	220	261	244	25	5	19	....	.. .	....	8	9	328	108	872		90	354	191	112	46	29	19	12	2	2	5	2	8
Males	57	45	37	101	9	1	49	....	1	1	4	....	.....	.....	305	Thunder Bay	2	93	126	55	15	6	6	1	....	....	....	..	1
Females	56	42	35	107	10	1	51	...	1	1	.....	1	.....	.....	305		72	138	61	18	10	1	....	....	1	....	....	..	4
Total	113	87	72	208	19	2	100	....	2	2	4	1	213	92	610		74	231	187	73	25	7	6	1	1	....	....	..	5
Males	32	38	87	12	4	3	.....	....	....	3	3	2	.....	.....	183	Victoria	2	46	68	26	22	8	4	3	1	....	1	1	1
Females	25	41	88	14	5	2	.....	.. .	....	2	3	2	.....	.....	183		21	76	55	15	7	1	2	2	....	1	....	..	3
Total	57	79	175	26	9	5	.....	....	....	5	6	4	169	14	366		23	122	123	41	29	9	6	5	1	1	1	1	4
Males	44	79	69	65	21	3	95	26	9	4	43	5	.....	.....	463	Waterloo	7	169	153	71	19	8	12	11	6	3	1	1	2
Females	35	73	58	73	16	2	110	32	9	4	45	6	.....	.....	463		50	226	101	33	17	14	4	5	1	1	2	..	9
Total	79	152	127	138	37	5	205	58	18	8	88	11	354	109	926		57	395	254	104	36	22	16	16	7	4	3	1	11

Males	134	119	203	90	74	10	63	8	8	1	37	20	.....	.....	767	Welland ...	15	294	173	120	62	39	22	16	8	10	5	3	...	
Females....	131	123	204	115	67	13	69	4	4	1	27	9	.....	.....	767		164	266	175	73	31	27	10	12	5	1	1	..	2	
Total	265	242	407	205	141	23	132	12	12	2	64	29	757	10	1,534		179	560	348	193	93	66	32	28	13	11	6	3	2	
Males	64	140	120	44	19	4	10	2	2	3	19	4	.....	.....	431	Wellington.	2	124	154	82	21	23	9	4	6	2	1	3	....	
Females....	44	147	128	46	20	9	6	3	2	3	18	5	.....	.....	431		63	168	116	42	16	10	5	1	5	....	....	..	5	
Total	108	287	248	90	39	13	16	5	4	6	37	9	392	39	862		65	292	270	124	37	33	14	5	11	2	1	3	5	
Males	210	190	268	89	67	12	11	2	9	3	8	18	.....	.....	887	Wentworth	15	341	286	104	52	32	17	17	10	6	1	2	4	
Females....	199	184	256	101	78	13	9	1	7	2	14	23	.....	.....	887		154	366	203	79	31	20	12	9	2	3	....	..	8	
Total	409	374	524	190	145	25	20	3	16	5	22	41	833	54	1,774		169	707	489	183	83	52	29	26	12	9	1	2	12	
Males	1,247	818	984	321	217	49	47	3	83	31	87	12	.....	.....	3,899	York	54	1,295	1,383	578	238	151	86	50	27	24	6	6	1	
Females....	1,328	789	984	339	214	43	34	2	69	24	66	7	.....	.....	3,899		453	1,710	1,006	380	182	82	40	24	10	1	4	2	5	
Total	2,575	1,607	1,968	660	431	92	81	5	152	55	153	19	3,644	255	7,798		507	3,005	2,389	958	420	233	126	74	37	25	10	8	6	

MARRIAGES BY DENOMINATIONS AND AGES—CITIES, 1908.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Cities.	Ages.											
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denomination.	No denominations.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	2,247	1,702	2,469	1,323	683	159	286	29	133	56	217	65	.....	.....	9,369	Total Males...	177	3,370	2,961	1,298	625	366	222	132	90	62	31	24	11
Females....	2,317	1,640	2,402	1,435	706	155	288	27	112	50	188	49	.....	.....	9,369	Total Females.	1,572	3,878	2,474	778	463	204	130	75	42	16	10	2	25
Total	4,564	3,342	4,871	2,758	1,389	314	574	56	245	106	405	114	8,659	710	18,738	Grand Total ..	1,749	7,248	5,135	2,076	1,088	570	352	207	132	78	41	26	36
Males.....	40	24	52	17	3	1	2	....	...	2	1	1	.....	.....	143	Belleville ..	4	52	40	23	12	5	1	1	2	2	1	..	....
Females....	42	21	47	25	4	...	.....	....	....	2	1	1	.....	.....	143		22	51	37	17	8	2	4	2	....	....	....	..	....
Total	82	45	99	42	7	1	2	....	....	4	2	2	128	15	286		26	103	77	40	20	7	5	3	2	2	1	..	....
Males	35	33	73	20	42	7	3	....	....	1	3	....	.....	.....	217	Brantford..	4	82	74	25	14	4	6	5	2	1	....	..	....
Females....	39	26	75	24	42	5	3	....	....	1	2	....	.....	.....	217		39	91	51	14	13	4	2	1	2	....	....	..	....
Total	74	59	148	44	84	12	6	....	....	2	5	....	204	13	434		43	173	125	39	27	8	8	6	4	1	....	..	....
Males	25	28	49	19	12	....	.....	....	....	....	3	1	.....	.....	137	Chatham...	1	54	40	20	11	2	2	3	....	1	2	..	1
Females....	26	21	45	23	15	....	.....	....	....	1	4	2	.....	.....	137		31	55	33	7	3	1	4	....	....	1	...	..	2
Total	51	49	94	42	27	....	.....	....	....	1	7	3	122	15	274		32	109	73	27	14	3	6	3	....	2	2	..	3
Males	30	25	17	48	5	1	10	....	1	1	1	....	.....	.....	139	Fort William	1	37	54	31	9	3	3	1	....	....	....	..	....
Females....	33	22	14	48	6	1	12	....	1	1	.....	1	.....	.....	139		33	65	27	9	4	.....	....	....	1	....	....	..	....
Total	63	47	31	96	11	2	22	....	2	2	1	1	96	43	278		34	102	81	40	13	3	3	1	1	....	....	..	....
Males	35	56	52	21	5	4	3	.. .	1	3	6	2	.....	.....	191	Guelph	1	66	64	33	9	6	4	1	5	2	....	..	....
Females....	23	62	55	27	6	5	2	1	1	3	3	3	.....	.....	191		37	75	48	15	6	4	4	1	1	....	....	..	....
Total	58	118	107	51	11	9	5	1	2	6	9	5	174	17	382		38	141	112	48	15	10	8	2	6	2	....	..	....
Males	180	154	214	76	55	11	11	2	9	3	7	17	.....	.....	739	Hamilton..	13	301	227	78	39	30	15	16	8	5	1	2	4
Females....	172	153	196	87	64	12	9	1	7	2	14	22	.....	.....	739		133	312	157	65	27	15	12	8	2	3	....	..	5
Total	352	307	410	163	119	23	20	3	16	5	21	39	695	44	1,478		146	613	384	143	66	45	27	21	10	8	1	2	9

Males	48	39	75	35	6	3	1	1	1	2	7	2	.....	.....	220	Kingston...	6	87	54	30	15	8	9	4	1	...	3	1	2
Females....	57	23	73	42	9	7	1	....	1	3	2	2	.....	.....	220		36	93	45	14	15	5	3	1	1	....	1	..	6
Total ...	105	62	148	77	15	10	2	1	2	5	9	4	213	7	440		42	180	99	44	30	13	12	5	2	....	4	1	8
Males	120	72	127	53	58	5	3	2	4	6	14	3	.....	.....	467	London....	5	168	163	65	29	15	8	4	2	2	1	2	3
Females....	117	78	126	53	56	5	3	1	5	5	12	6	.....	.....	467		61	199	123	42	25	6	3	1	3	....	....	..	4
Total	237	150	253	106	114	10	6	3	9	11	26	9	435	32	934		66	367	286	107	54	21	11	5	5	2	1	2	7
Males	70	77	103	36	50	5	38	3	4	1	19	3	.....	.....	409	Niagara Falls..	6	160	94	58	38	22	14	6	4	2	2	3	...
Females....	69	76	121	49	34	8	32	2	3	1	14	....	.....	.....	409		82	152	97	34	14	17	5	4	3	...	....	..	1
Total	139	153	224	85	84	13	70	5	7	2	33	3	407	2	818		88	312	191	92	52	39	19	10	7	2	2	3	1
Males	160	114	95	332	19	11	15	....	17	4	11	....	.....	.....	778	Ottawa.....	20	277	233	107	56	36	15	10	7	10	5	2	....
Females ...	147	110	95	344	28	2	13	1	17	5	16	....	.....	.....	778		137	309	193	62	37	14	13	5	6	1	1	..	....
Total	307	224	190	676	47	13	28	1	34	9	27	....	616	162	1,556		157	586	426	169	93	50	28	15	13	11	6	2	....
Males	46	22	44	39	11	....	.....	....	....	....	3	1	.....	.....	166	Peterboro'..	3	52	56	28	12	10	2	1	1	....	1	..	....
Females....	41	19	55	38	10	....	.....	...	....	1	2	....	.....	.....	166		27	77	42	10	5	1	1	....	2	....	1	..	....
Total	87	41	99	77	21	....	.....	....	....	1	5	1	135	31	332		30	129	98	38	17	11	3	1	3	....	2	..	....
Males	25	19	19	47	4	...	38	....	....	3	.....	....	.....	.....	155	Port Arthur.	.....	54	68	21	6	2	3	....	....	....	....	..	1
Females....	23	18	19	53	4	....	38	....	....	....	.....	....	.....	.....	155		36	69	31	9	5	1	....	....	....	....	....	..	4
Total	48	37	38	100	8	....	76	....	....	3	.....	....	112	43	310		36	123	99	30	11	3	3	....	....	...	....	..	5
Males	31	18	28	18	12	3	3	....	....	....	2	....	.....	.....	115	St. Catharines	2	53	25	13	11	2	4	3	2	....	....	..	....
Females....	31	24	26	15	9	4	3	....	....	....	2	1	.....	.....	115		18	51	24	8	3	5	4	1	....	.. ..	...	..	1
Total	62	42	54	33	21	7	6	....	....	....	4	1	105	10	230		20	104	49	21	14	7	8	4	2	....	....	..	1
Males	19	28	25	16	6	3	8	5	...	1	2	....	.....	.....	113	Stratford ..	1	37	45	14	7	1	4	1	1	2	....	..	....
Females....	27	31	14	15	4	4	7	9	....	....	2	...	.....	.....	113		21	45	25	14	3	2	....	1	....	....	....	..	2
Total	46	59	39	31	10	7	15	14	....	1	4	....	102	11	226		22	82	70	28	10	3	4	2	1	2	....	..	2
Males	39	34	73	16	20	1	.....	....	....	....	5	....	.....	.....	188	St. Thomas	2	74	69	20	6	5	3	1	6	....	....	2	....
Females....	35	36	67	12	27	....	2	1	....	1	7	....	.....	.....	188		40	83	30	17	5	6	4	1	1	1	....	..	....
Total	74	70	140	28	47	1	2	1	....	1	12	....	183	5	376		42	157	99	37	11	11	7	2	7	1	....	2	....
Males	1,117	717	837	299	195	48	41	3	83	27	63	5	.....	.....	3,435	Toronto ...	48	1,142	1,217	510	213	135	75	44	21	20	5	5	....
Females....	1,205	687	824	319	197	42	32	2	69	19	39	....	.....	.....	3 435		383	1,524	885	330	171	74	35	21	6	1	3	2	....
Total	2,322	1,404	1,661	618	392	90	73	5	152	46	102	5	3,211	224	6,870		431	2,666	2,102	840	384	209	110	65	27	21	8	7	....

MARRIAGES BY DENOMINATIONS AND AGES—CITIES, 1908—Concluded.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Cities.	Ages.											
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denomination.	No denomination.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	30	20	24	8	10	....	.....	....	....	....	2	....	.....	.....	94	West Toronto..	1	32	33	11	3	2 2	3	1	....	1	1	1	....
Females....	27	21	27	9	8	...	1	....	....	....	1	....	.....	.....	94		12	45	25	5	1		1	1	....	....	1	..	....
Total	57	41	51	17	18	....	1	....	....	....	3	....	84	10	188		13	82	58	16	4	5	4	2	....	1	2	1	....
Males	176	202	526	218	158	53	108	13	13	2	65	30	.....	.....	1,564	Windsor ..	55	608	375	197	131	73	45	28	26	13	7	6	....
Females....	180	190	492	248	169	56	130	9	8	5	66	11	.....	.....	1,564		407	551	274	99	108	43	34	21	14	8	2	..	....
Total	356	392	1,018	466	327	109	238	22	21	7	131	41	1,539	25	3,128		462	1,159	649	296	239	116	79	52	40	21	9	6	....
Males	21	20	36	2	12	3	2	....	....	....	3	....	.....	.....	99	Woodstock	4	29	30	14	4	5	6	2	2	1	2	..	....
Females...	23	22	31	4	14	4	.....	....	....	....	1	....	.....	.....	99		17	31	27	7	10	1	1	3	...	1	1	..	....
Total	44	42	67	6	26	7	2	....	....	....	4	....	98	1	198		21	60	57	21	14	6	7	5	2	2	3	..	....

MARRIAGES BY DENOMINATIONS AND AGES—TOWNS, 1908.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Towns.	Ages.												
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denominations.	No denomination.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	229	322	377	219	89	17	76	15	10	9	19	14	.....	.....	1,396	Total Males...	25	488	433	177	107	55	37	25	18	13	8	5	5
Females....	213	308	379	242	87	11	73	18	8	11	22	24	.....	.....	1,396	Total Females.	253	563	293	127	57	29	22	16	9	1	4	1	21
Total	442	630	756	461	176	28	149	33	18	20	41	38	1,237	159	2,792	Grand Total ..	278	1,051	726	304	164	84	59	41	27	14	12	6	26
Males	16	25	29	9	7	2	.....	....	....	1	.....	....	.....	.....	89	Barrie	2	22	32	13	5	10	4	....	1	....	....	..	....
Females....	19	25	29	9	3	1	.....	....	....	1	.....	2	.....	.....	89		11	35	24	11	7	.....	1	....	....	....	....	..	....
Total	35	50	58	18	10	3	.....	....	....	2	.....	2	81	8	178		13	57	56	24	12	10	5	....	1	....	....	..	....
Males	10	8	16	32	8	2	41	13	6	1	4	....	.....	.....	141	Berlin	1	68	42	17	5	2	4	1	....	1	....	..	....
Females....	8	9	16	35	7	2	39	12	6	1	4	2	.....	.....	141		17	78	28	7	6	1	....	2	....	....	1	..	1
Total	18	17	32	67	15	4	80	25	12	2	8	2	105	36	282		18	146	70	24	11	3	4	3	....	1	1	..	1
Males	21	23	32	14	16	1	1	....	....	....	1	1	.....	.....	110	Brockville .	5	41	31	14	9	2	2	3	....	2	....	1	....
Females....	27	16	32	17	15	1	.....	....	....	....	2	....	.....	.....	110		20	40	27	11	8	.....	1	1	2	..	....	..	....
Total	48	39	64	31	31	2	1	....	....	....	3	1	102	8	220		25	81	58	25	17	2	3	4	2	2	....	1	....
Males	11	22	24	3	4	....	.....	....	....	....	2	....	.....	.....	66	Colling-	.....	24	17	9	7	3	....	1	....	....	3	2	....
Females....	10	22	21	4	6	....	.....	....	....	....	.....	3	.....	.....	66	wood..	7	29	14	9	1	4	....	2	....	....	....	..	....
Total	21	44	45	7	10	....	.....	....	....	....	2	3	61	5	132		7	53	31	18	8	7	....	3	....	....	3	2	....
Males	14	20	19	20	2	....	.....	....	....	....	.....	....	.....	.....	75	Cornwall...	1	29	18	8	8	3	3	2	1	1	1	..	....
Females....	18	16	16	20	3	1	.....	....	....	....	.....	1	.....	.....	75		14	28	17	6	1	3	4	....	....	....	1	..	1
Total	32	36	35	40	5	1	.....	....	....	....	.....	1	64	11	150		15	57	35	14	9	6	7	2	1	1	2	..	1
Males	10	33	13	.....	5	1	4	....	3	3	.....	1	.....	.....	73	Galt	3	23	16	13	3	2	1	4	3	1	1	..	3
Females....	13	25	17	.....	4	....	5	1	2	3	.....	3	.....	.....	73		10	20	15	11	3	4	2	2	....	....	1	..	5
Total	23	58	30	.....	9	1	9	1	5	6	.....	4	69	4	146		13	43	31	24	6	6	3	6	3	1	2	..	8

MARRIAGES BY DENOMINATIONS AND AGES—TOWNS, 1908.—Concluded.

Sex.	Religious Denominations of Groom and Bride.												How married.		Totals.	Towns.	Ages.											
	Anglican.	Presbyterian.	Methodist.	Roman Catholic.	Baptist.	Congregationalist.	Lutheran.	Evangelical Association.	Hebrews.	Salvation Army.	Other denominations.	No denomination.	License.	Banns.			15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 and over.	No age stated.
Males	2	5	.....	31	1	....	.....	....	....	....	.....	5	.....	.....	44	Hawkesbury	1	21	8	4	6	1	2	1	....	....	....	..	....
Females	2	6	.....	35	1	....	.....	....	....	....	.....	....	.....	.....	44		12	19	4	4	2	2	....	....	1	....	....	..	....
Total	4	11	.....	66	2	....	.....	....	....	....	.....	5	15	29	88		13	40	12	8	8	3	2	1	1	....	....	..	....
Males	29	25	5	18	2	1	8	....	....	....	3	3	.....	.....	94	Kenora	1	35	45	4	2	1	....	1	3	....	....	..	2
Females	30	18	5	24	1	....	9	....	....	1	1	5	.....	.....	94		28	41	14	5	2	.....	1	..	....	....	....	..	3
Total	59	43	10	42	3	1	17	....	....	1	4	8	81	13	188		29	76	59	9	4	1	1	1	3	....	....	..	5
Males	18	14	38	8	2	....	.....	....	....	1	.....	...	.....	.....	81	Lindsay	.....	21	32	9	10	6	1	1	1	....	....	..	....
Females	11	16	40	10	2	....	.....	....	....	2	.....	....	.....	.....	81		6	37	25	6	4	.....	....	2	....	....	....	..	1
Total	29	30	78	18	4	....	.....	....	....	3	.....	....	71	10	162		6	58	57	15	14	6	1	3	1	....	....	..	1
Males	9	20	23	5	5	1	.....	....	....	1	3	2	.....	.....	69	Orillia	1	24	19	8	8	3	4	1	....	1	....	..	....
Females	2	17	32	4	5	1	.....	....	....	1	4	3	.....	.....	69		14	24	11	10	3	3	2	....	....	....	....	..	2
Total	11	37	55	9	10	2	.....	....	....	2	7	5	68	1	138		15	48	30	18	11	6	6	1	....	1	....	..	2
Males	16	42	28	5	9	....	1	....	....	....	1	1	.....	.....	103	Owen Sound	2	30	25	16	16	7	2	2	1	2	....	..	....
Females	10	40	32	7	5	....	2	1	....	....	5	1	.....	.....	103		19	29	24	13	6	2	3	....	1	....	....	..	6
Total	26	82	60	12	14	....	3	1	....	....	6	2	99	4	206		21	59	49	29	22	9	5	2	2	2	....	..	6
Males	8	11	9	18	.....	....	10	2	....	....	.....	....	.....	.....	58	Pembroke	.....	18	23	7	3	1	3	1	....	1	1	..	....
Females	5	8	12	20	1	....	8	4	....	...	.....	....	.....	.....	58		10	25	13	3	1	3	1	....	1	1	....	..	....
Total	13	19	21	38	1	....	18	6	....	....	....	....	48	10	116		10	43	36	10	4	4	4	1	1	2	1	..	....
Males	28	39	98	16	21	4	5	....	1	2	3	1	.....	.....	218	Sarnia	6	66	72	30	10	10	6	6	5	3	2	2	....
Females	22	47	90	18	25	1	6	....	....	2	3	4	.....	.....	218		47	82	42	18	10	5	4	5	3	....	1	1	....
Total	50	86	188	31	46	5	11	....	1	4	6	5	215	3	436		53	148	114	48	20	15	10	11	8	3	3	3	....

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CAUSES OF DEATH BY COUNTIES—IN ALGOMA, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	596	203	19	9	6	6	14	11	21	60	44	27	31	43	42	17	43	349	242	5	437	109	50	365	178	53	72	48	50	48	43	47	47	61	43	50	33	54
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	45	4	6	3	2	..	7	3	3	6	3	3	....	..	..	..	5	29	16	....	29	5	11	35	5	5	4	4	4	4	3	1	1	5	5	7	2	5
1. Typhoid Fever	23	....	..	..	..	..	2	2	3	6	3	3	....	..	..	..	4	19	4	....	11	4	8	13	5	5	..	1	1	1	1	..	1	3	4	5	2	4
4. Measles	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..	..
5. Scarlet Fever	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..	..
6. Whooping Cough	4	1	2	..	1	..	..	..	..	....	..	..	....	..	..	..	..	....	4	....	3	1	....	4	....	....	1	1	..	2	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	11	1	..	2	1	..	5	11	..	....	..	..	....	..	..	..	..	1	7	3	8	....	3	11	....	....	2	1	2	..	1	..	..	2	..	2	..	1
8. Influenza	3	....	2	1	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	2	....	3	....	....	3	....	....	..	1	..	1	..	1	..	..	..	..	..	..
9. Dysentery	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Erysipelas	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	63	2	..	..	1	..	1	2	7	12	12	1	3	7	2	..	10	29	31	....	36	13	14	23	29	11	7	8	6	7	3	3	7	3	4	3	7	5
12. Septicæmia	3	1	..	..	..	..	..	..	..	1	..	..	....	..	..	..	1	1	2	..	2	....	1	1	....	2	..	..	..	1	1	..	..	..	..	..	1	..
13. Tuberculosis of Lungs	32	1	..	..	..	..	..	1	3	8	5	1	2	5	1	..	5	12	20	....	20	7	5	11	16	5	3	2	..	3	1	3	5	3	4	2	3	3
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
15. Tuberculous Meningitis	2	....	..	..	..	..	..	1	..	....	1	..	....	..	..	..	..	1	1	....	1	....	1	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	3	....	..	..	..	..	..	..	1	....	1	..	....	..	..	..	1	3	....	....	....	2	1	1	1	1	..	..	..	..	1	..	..	1	..	..	..	1	..
20. Tuberculosis of other organs	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..
21. General Tuberculosis	4	....	..	..	..	..	..	..	1	1	1	..	1	..	..	..	1	2	2	....	4	....	....	2	2	....	1	..	1	..	2	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	2	....	..	..	..	..	..	..	..	1	..	..	....	1	..	..	..	1	1	....	1	....	1	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	1	..	..	....	1	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	8	....	..	..	..	1	..	..	....	3	..	2	1	..	..	1	..	4	4	....	4	2	2	2	5	1	2	4	..	1	..	..	..	..	..	..	..	..
33. Diabetes	3	....	..	..	..	..	2	....	..	....	..	..	....	1	..	..	..	1	2	....	2	1	....	2	1	....	..	..	..	..	..	..	..	..	..	1	..	..
35. Alcoholism	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	1	..	1
	2	..	..	..	..	..	..	..	..	....	1	..	....	..	..	..	1	2	....	....	1	....	1	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	48	15	5	2	1	..	1	..	2	3	4	1	3	2	4	2	3	26	22	....	38	5	5	31	12	5	5	6	4	5	3	5	2	3	2	2	3	8
38. Encephalitis	4	1	..	..	1	..	..	..	1	....	1	..	....	..	..	..	..	2	2	....	3	1	....	3	....	1	1	..	1	..	..	1	..	..	..	1	..	..
39. Meningitis	8	3	1	2	..	..	..	..	1	....	..	..	....	..	..	..	..	5	3	....	7	....	1	8	....	....	1	..	..	1	..	1	1	1	..	..	..	2
42. Apoplexy	13	....	..	..	..	..	1	..	..	1	1	1	3	2	1	1	2	7	6	....	7	2	4	2	8	3	1	3	1	..	1	..	1	..	1	..	1	4

ALGOMA.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
44. Paralysis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	1	....	2	....	....	....	2	....	..	..	..	..	..	..	..	..	1	..	..	1
47. Other Diseases of Brain	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
48. Epilepsy	3	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	3	....	3	....	....	....	2	....	1	..	..	..	2	1	..	..	..	..	..	..
49. Convulsions	15	11	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	10	5	....	13	2	....	15	....	....	2	3	2	1	..	2	..	1	..	1	2	1
51. Other Diseases of Nervous System	2	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	1	....	2	....	....	1	1	....	..	..	..	1	..	..	..	1	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	16	1	..	..	..	..	..	..	..	1	1	2	2	5	4	..	..	10	6	....	9	5	2	1	13	2	3	1	..	1	2	1	2	2	1	2	..	1
53. Endocarditis	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	1	1	1	....	....	2	....	1	1	..	..	..	..	..	..	..	..	..	..
54. Heart Disease	11	..	..	..	..	..	..	..	..	..	..	2	2	4	3	..	..	7	4	....	6	3	2	....	9	2	2	..	..	1	1	1	1	2	1	2	..	..
55. Angina Pectoris	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	....	..	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
60. Other Diseases of Circulatory System	3	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	1
IV.—Diseases of Respiratory System.																																						
Group Total	64	23	1	1	1	2	2	..	3	2	4	5	4	4	4	3	5	36	28	....	50	14	....	35	19	10	16	5	8	9	3	3	2	2	1	5	3	7
61. Diseases of Larynx	5	2	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	4	1	....	5	....	....	3	1	1	3	..	..	..	1	..	..	1	..	..	..	..
63. Acute Bronchitis	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	1	..	..	..	..	1
64. Chronic Bronchitis	9	4	..	..	..	1	..	..	..	..	..	..	..	..	1	2	1	5	4	....	9	....	....	5	3	1	1	2	..	..	1	2	..	..	..	..	1	2
65. Broncho-pneumonia	6	3	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1	3	3	....	6	....	....	5	....	1	2	..	..	1	..	..	..	..	1	..	1	1
66. Pneumonia	33	7	1	..	1	..	..	..	3	....	4	4	3	3	3	1	3	18	15	....	20	13	....	13	13	7	7	3	6	6	1	1	1	2	..	4	1	1
67. Pleurisy	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	..	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
68. Congestion of Lungs	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	....	1	..	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	6	5	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	3	3	....	6	....	....	6	....	....	3	..	..	1	..	..	..	..	..	..	..	2
V.—Diseases of Digestive System.																																						
Group Total	70	39	5	1	..	2	1	5	3	1	2	3	3	2	3	..	..	41	29	....	62	7	1	60	10	....	3	6	2	2	3	3	8	20	13	5	3	2
76. Ulcer of Stomach	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
77. Gastritis	2	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	....	2	....	....	2	....	....	1	..	..	..	..	..	..	1	..	..	..	..
78. Other Diseases of the Stomach	7	6	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	7	..	....	6	1	....	6	1	....	..	1	..	1	..	..	1	..	..	2	1	1
79. Dentition	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	33	30	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19	14	....	33	..	....	33	..	....	1	..	1	..	1	..	5	16	7	2	..	..
81. Diarrhœa and Enteritis (2 years and over)	2	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	2	..	....	1	1	....	1	1	....	..	..	..	..	..	..	..	..	2	..	..	..
83. Obstruction of Intestines	4	..	..	..	..	..	..	1	..	..	1	1	..	..	1	..	..	3	..	....	3	1	....	1	3	....	..	..	1	..	..	..	1	1	1	..	..	..
84. Other Diseases of Intestines	6	1	..	..	..	..	1	..	1	..	..	1	1	1	..	..	..	3	3	....	5	1	....	3	3	....	..	1	..	1	..	1	1	1	..	1	..	..
87. Cirrhosis of Liver	4	..	1	..	..	1	..	..	..	..	..	..	..	1	1	..	..	1	3	....	2	2	....	3	1	....	..	1	..	..	1	..	..	..	2	..	..	..
91. Peritonitis (Non-puerperal)	4	1	..	..	..	..	..	1	1	..	..	..	1	..	..	..	..	2	2	....	2	1	1	4	..	....	1	..	..	..	1	..	..	..	1	..	1	..
92. Appendicitis	6	..	..	..	..	..	..	3	1	1	1	..	..	..	..	..	..	2	4	....	6	..	....	6	..	....	..	1	..	..	..	2	..	1	..	..	1	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	12	..	..	..	..	..	..	..	..	2	3	1	1	3	2	..	..	6	6	....	7	4	1	3	8	1	..	1	1	2	..	2	1	..	1	2	1	1
94. Acute Nephritis	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	....	1	..	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
95. Bright's Disease	8	..	..	..	..	..	..	..	..	1	3	..	..	2	2	..	..	4	4	....	4	3	1	2	5	1	..	..	..	1	2	..	1	1	..	1	2	..	..
98. Diseases of Bladder	2	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1	....	2	..	....	1	1	....	..	1	..	..	1	..	..	..	..	..	..	..
105. Other Diseases of the Genito-urinary System	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	....	..	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..

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CAUSES OF DEATH BY COUNTIES—IN BRANT, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	546	141	13	9	4	3	7	5	9	43	29	29	45	53	82	65	9	291	254	1	373	155	18	257	265	24	45	57	43	46	37	37	34	43	60	57	45	42
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	31	1	..	2	1	1	4	1	2	3	4	2	3	3	2	1	1	20	11	....	18	10	3	15	12	4	..	4	1	4	1	..	1	2	3	6	7	2
1. Typhoid Fever	14	....	..	..	..	..	..	..	2	3	3	2	2	..	1	..	1	9	5	....	6	5	3	4	8	2	..	..	..	..	..	..	..	..	2	4	5	..
5. Scarlet Fever	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	..	..	..	..	..	1	..	..	..	..	..
7. Diphtheria and Croup	3	....	..	..	..	..	3	..	..	....	..	..	....	..	..	..	..	2	1	....	2	1	....	2	1	....	..	1	..	..	..	..	1	..	..	..	..	1
8. Influenza	9	1	..	1	1	1	..	..	..	1	..	..	1	1	1	1	..	6	3	....	6	3	....	5	2	2	..	3	..	2	1	..	..	1	..	..	1	1
9. Dysentery	4	....	..	2	..	..	..	..	..	....	..	..	....	..	..	..	..	3	1	....	3	1	....	2	2	2	..	..	..	..	1	..	..	1	..	2	1	..
(B.—Other General Diseases.)																																						
Group Total	88	....	1	1	..	1	....	..	3	23	9	7	17	13	9	3	1	45	43	....	63	24	1	28	56	4	6	10	7	12	12	7	7	3	9	6	5	4
12. Septicæmia	4	....	..	..	..	..	..	..	..	2	..	..	1	..	1	..	..	3	1	....	1	3	....	....	4	....	..	1	..	1	..	..	1	..	1	..	..	..	..
13. Tuberculosis of Lungs	36	....	1	..	..	..	..	..	1	14	7	4	4	2	2	..	1	21	15	....	29	6	1	14	21	1	3	7	2	2	5	5	1	2	5	2	..	2
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	1	..	..	..
21. General Tuberculosis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	....	..	..	..	1	..	..	..	..	..	..	..	..
22. Scrofula	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	....	..	..	..	1	..	..	..	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	1	....	....	....	..	..	..	1	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	7	....	..	..	..	..	..	..	..	....	..	..	1	4	1	1	..	4	3	....	5	2	....	....	7	....	1	..	..	1	2	..	1	..	..	1	1	..	..
26. Cancer of Intestines	5	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	4	1	....	3	2	....	1	4	....	..	1	..	2	2	1	..	..	..	..	..	1
27. Cancer of Genital Organs	4	....	..	..	..	..	..	..	..	....	..	..	3	1	..	..	..	....	4	....	1	3	....	1	3	....	1	..	..	..	2	2	..	1	..	..	..	..	..
30. Cancer of other unspecified organs	7	....	..	..	..	..	..	..	..	1	..	..	2	3	..	1	..	3	4	....	5	2	....	1	6	....	..	1	..	..	..	1	..	..	1	1	1	1
32. Rheumatism	3	....	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	1	2	....	3	....	....	2	1	2	..	..	..	..	1	1	1	..	..	..	1	..	..
33. Diabetes	8	....	..	..	..	..	..	..	2	3	..	1	....	1	1	..	..	4	4	....	7	1	....	5	1	2	1	..	..	..	1	2	2	..	1	..	3	1	..
34. Anæmia, Leukæmia	10	....	..	..	..	..	..	..	..	1	2	1	3	2	..	1	..	2	8	....	7	3	....	1	8	1	..	..	..	3	1	2	2	..	1	..	..	2	1	..
II.—Diseases of Nervous System.																																						
Group Total	68	14	4	2	....	..	2	1	1	3	2	4	4	6	12	10	3	35	33	....	43	24	1	31	35	2	8	5	5	4	5	4	5	7	9	5	3	8
39. Meningitis	13	5	2	1	..	..	1	1	..	1	..	2	....	..	..	..	..	6	7	....	12	1	....	13	....	....	1	..	..	1	..	..	1	4	3	1	..	..
42. Apoplexy	26	....	..	..	..	..	..	..	..	....	1	1	2	4	7	9	2	14	12	....	10	16	....	1	24	1	2	3	2	3	1	2	1	3	..	4	4	..	3
44. Paralysis	11	1	..	..	..	..	..	..	..	....	..	..	2	2	5	1	..	7	4	....	5	6	....	1	10	....	2	1	..	2	1	2	..	1	..	1	..	1	..
49. Convulsions	11	8	2	1	..	..	..	..	..	....	..	..	....	..	..	..	..	6	5	....	11	....	....	11	....	....	2	..	..	..	1	2	..	1	..	..	1	2	..
50. Tetanus	2	....	..	..	..	..	..	..	1	1	..	..	....	..	..	..	..	1	1	....	1	1	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	5	....	..	..	..	..	1	..	..	1	1	1	....	..	..	..	1	1	4	....	4	....	1	3	1	1	..	..	..	1	1	1	..	1	..	..	1	..

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BRANT.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IX.—Diseases of Locomotor System.																																						
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
113. Diseases of the Bones	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	34	31	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	16	1	34	....	....	34	....	....	3	1	5	3	3	..	..	5	6	4	1	3
117. Premature Birth	12	12	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	3	1	12	....	....	12	....	....	1	1	3	2	2	..	..	..	1	2	..	..
118. Congenital Debility	22	22	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	9	13	....	22	....	....	22	....	....	2	..	2	1	1	..	..	5	5	2	1	3
119. XII.—Old Age.																																						
Group Total	53	....	..	..	..	..	..	..	..	....	..	..	....	2	21	30	..	23	30	....	17	34	2	2	46	5	6	6	9	6	3	3	1	3	1	5	3	7
XIII.—Violence and Other External Causes.																																						
Group Total	31	2	..	2	..	..	..	1	2	6	2	5	3	2	3	2	1	23	8	....	21	7	3	17	13	1	1	..	1	2	2	4	3	3	3	6	5	1
120. Suicides	4	....	..	..	..	..	..	..	1	....	..	1	....	1	..	1	..	2	2	....	3	1	....	2	2	....	..	..	..	..	1	..	1	1	..	1	..	..
121. Fractures and Dislocations	4	....	..	1	..	..	..	..	1	....	..	..	....	..	1	1	..	1	3	....	1	2	1	2	2	....	..	..	..	..	..	..	..	..	1	1	..	..
122. Burns and Scalds	3	....	..	1	..	..	..	..	..	1	1	..	....	..	..	..	..	2	1	....	3	....	....	1	1	1	..	..	1	..	..	..	..	..	..	..	..	..
123. Physical Phenomena	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
124. Drowning	3	....	..	..	..	..	..	1	..	1	1	..	....	..	..	..	..	3	..	....	1	2	....	3	....	....	..	..	..	..	..	2	..	1	..	..	..	..
126. Other Accidental Poisonings	3	....	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	2	1	....	3	....	....	1	2	....	..	..	..	..	..	..	..	..	..	..	..	1
127. Other Accidental Traumatisms	12	1	..	..	..	..	..	..	..	3	..	3	1	1	2	..	1	11	1	....	8	2	2	7	5	....	1	..	..	..	1	..	1	2	..	2	3	2	..
128. Injuries at Birth	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	..	....	..	..	..	..	..	..	..	..	..	..	1	..
XIV.—Ill-defined Diseases.																																						
Group Total	28	9	..	..	..	..	1	..	..	....	1	2	2	7	3	3	..	14	14	....	19	9	....	11	15	2	4	4	3	3	..	1	1	3	1	3	4	1
130. Dropsy	4	1	..	..	..	..	..	..	..	....	..	1	....	1	1	..	..	....	4	....	1	3	....	1	3	....	2	..	..	..	..	..	1	..	..	..	..	1
131. Heart Failure	15	1	..	..	..	..	..	..	..	....	1	1	2	6	2	2	..	9	6	..	9	6	....	2	11	2	1	4	2	2	..	1	..	2	..	..	3	..
132. Other ill-defined causes	8	6	..	..	..	..	1	..	..	....	..	..	....	..	..	1	..	4	4	....	8	....	....	7	1	....	1	..	1	1	..	..	..	1	..	1	3	..
133. Unknown causes	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
134. XV.—Still Births.																																						
Group Total	36	36	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	19	....	36	....	....	36	....	....	3	5	2	3	3	2	6	1	1	2	3	5

CAUSES OF DEATH BY COUNTIES—IN BRUCE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	718	148	26	14	4	7	5	11	21	58	44	29	40	67	132	104	8	394	322	2	449	250	19	316	363	39	59	76	71	63	69	44	48	43	66	73	54	52
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	46	5	5	1	1	3	2	1	1	4	2	3	3	1	7	7	..	22	24	....	29	14	3	22	22	2	1	8	5	2	5	1	3	3	8	6	3	1
1. Typhoid Fever	13	....	..	..	..	..	..	..	1	3	2	2	3	..	2	..	..	7	6	....	10	2	1	1	11	1	..	..	..	..	2	..	1	2	1	5	2	..
4. Measles	3	....	1	..	..	2	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	1	2	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	2	....	..	..	..	1	1	..	..	....	..	..	....	..	..	..	..	1	1	....	1	1	....	2	....	....	..	..	1	..	1	..	..	..	..	..	..	..	..
6. Whooping Cough	2	1	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	1	..	1	..	..	..	..	..	..
7. Diphtheria and Croup	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..	..
8. Influenza	12	2	..	..	..	..	1	..	..	....	..	1	....	1	5	2	..	9	3	....	5	6	1	6	6	....	..	6	3	1	2	..	..	..	..	..	..	..
9. Dysentery	12	1	3	1	1	..	..	..	..	1	..	..	....	..	..	5	..	2	10	....	6	5	1	6	5	1	1	..	..	..	..	..	1	7	1	1	1	..
10. Erysipelas	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	124	2	1	1	1	2	..	3	8	28	19	13	16	18	10	1	1	50	74	....	93	23	8	48	67	9	9	16	12	9	17	12	4	6	11	7	7	14
12. Septicæmia	7	....	..	..	..	..	..	..	1	2	3	..	....	..	..	..	1	3	4	....	7	....	....	3	3	1	..	..	1	..	..	1	..	2	..	..	..	1	..
13. Tuberculosis of Lungs	51	....	..	..	..	..	..	1	5	21	9	6	6	2	1	..	..	19	32	....	40	6	5	29	21	1	2	5	5	2	7	4	4	4	6	3	1	8
15. Tuberculous Meningitis	3	2	..	1	..	..	..	..	..	..	..	..	....	..	..	..	..	1	2	....	2	1	....	3	....	....	2	1	..	..	..	..	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	2	....	..	..	..	1	..	..	..	....	..	..	1	..	..	..	..	1	1	....	2	....	....	1	1	....	1	..	..	..	..	..	..	..	..	..	1	..	..
20. Tuberculosis of other organs	2	....	..	..	..	1	..	..	..	....	..	..	1	..	..	..	..	1	1	....	1	1	....	1	1	....	..	..	2	..	..	..	..	..	..	..	..	..	..
21. General Tuberculosis	10	....	..	..	..	..	2	2	..	1	1	1	....	1	2	..	..	5	5	....	9	1	....	3	6	1	3	1	1	1	1	..	..	..	..	..	1	..
23. Venereal Diseases	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	8	....	..	..	..	..	..	..	..	....	..	1	2	5	..	..	..	2	6	....	4	4	....	....	7	1	..	..	..	..	2	1	..	1	..	1	..	..
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	1	1	....	2	....	....	....	2	....	1	1	..	..	..	..	..	..	..	..	..	..	..
27. Cancer of Genital Organs	3	....	..	..	..	..	..	..	..	....	1	1	....	1	..	..	..	....	3	....	1	1	1	1	2	....	..	1	..	..	2	..	..	..	..	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	2	....	..	1	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	11	....	..	..	1	..	..	..	..	....	1	1	2	5	1	..	..	5	6	....	7	3	1	1	7	3	..	..	1	..	2	..	..	..	..	..	2	..
32. Rheumatism	3	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	2	1	....	2	1	....	....	3	....	..	1	..	..	..	..	..	..	..	..	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	1	1	..	..	..	..	..	..	1
34. Anæmia, Leukæmia	10	....	..	..	..	..	..	..	..	1	1	2	3	3	..	..	..	5	5	....	7	3	....	2	6	2	1	1	1	1	2	2	..	1	..	..	..	..
35. Alcoholism	3	....	..	..	..	..	..	..	..	2	..	1	....	..	..	..	..	2	1	....	3	....	....	2	1	....	..	..	..	..	2	2	..	..	..	1	..	..
37. Other General Diseases	2	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	....	2	....	....	....	....	....	2	....	..	1	..	..	..	..	..	..	..	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
II.—Diseases of Nervous System.																																						
Group Total	83	8	5	4	1	1	..	3	1	4	2	3	5	11	25	7	3	40	43	....	52	28	3	29	50	4	8	6	12	7	6	2	8	4	8	11	5	6
38. Encephalitis	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
39. Meningitis	4	1	..	1	1	..	..	1	..	....	..	..	....	..	..	..	..	2	2	....	4	....	....	4	....	....	..	..	..	..	..	..	..	..	1	2	..	..
40. Locomotor Ataxia	2	....	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	1	1	....	1	1	....	....	2	....	..	1	..	..	..	..	..	..	..	..	1	..
41. Other Diseases of Spinal Cord	2	....	..	..	..	..	..	..	..	1	..	..	....	..	..	1	..	2	....	....	1	1	....	....	2	....	..	..	..	..	1	..	..	..	..	1	..	..
42. Apoplexy	30	....	..	..	..	..	..	..	..	....	1	2	3	6	13	4	1	12	18	....	15	13	2	3	25	2	4	1	6	3	3	1	4	..	4	1	1	2
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1
44. Paralysis	21	....	1	..	..	..	..	1	1	1	..	..	2	3	10	2	..	7	13	....	10	11	....	2	18	1	1	2	3	2	..	1	2	..	2	..	5	2	1
48. Epilepsy	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
49. Convulsions	17	7	4	3	..	..	..	..	..	1	..	1	....	..	..	..	1	10	7	....	15	2	....	16	1	....	3	..	1	2	2	..	2	1	3	..	1	2
51. Other Diseases of Nervous System	4	....	..	..	..	1	..	..	..	....	1	..	....	..	1	..	1	3	1	...	4	....	....	2	1	1	..	..	2	..	..	..	..	..	1	..	1	..	..
III.—Diseases of Circulatory System.																																						
Group Total	40	1	..	..	..	..	..	..	1	....	..	3	4	10	17	4	..	25	15	....	18	22	....	5	33	2	4	6	3	2	2	3	2	2	3	3	6	4
52. Pericarditis	2	....	..	..	..	..	..	..	1	....	..	..	....	..	1	..	..	1	1	....	2	....	....	1	1	....	..	..	..	1	..	..	..	..	..	..	..	1
53. Endocarditis	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	....	2	....	....	2	....	....	2	....	1	1	..	..	..	..	..	..	..	..	..	..
54. Heart Disease	31	1	..	..	..	..	..	..	..	....	..	3	3	8	13	3	..	20	11	....	14	17	....	4	25	2	3	3	3	1	2	3	2	1	2	3	5	3
55. Angina Pectoris	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
56. Diseases of Arteries	4	....	..	..	..	..	..	..	..	....	..	..	....	1	2	1	..	3	1	....	1	3	....	....	4	....	..	1	..	..	..	..	..	1	1	..	1	..
IV.—Diseases of Respiratory System.																																						
Group Total	69	18	3	1	..	..	1	..	2	3	4	..	4	2	20	10	..	42	27	....	36	32	1	32	36	1	8	11	7	6	9	3	4	4	5	3	4	5
61. Diseases of Larynx	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
62. Diseases of the Thyroid Body	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	9	8	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	4	....	9	....	....	9	....	....	3	1	..	..	1	1	2	..	..	1	..
64. Chronic Bronchitis	11	....	..	..	..	..	..	..	..	2	..	..	....	..	6	3	..	5	6	....	3	8	....	1	10	....	1	1	..	1	1	..	1	2	1	1	1	1
65. Broncho-pneumonia	8	5	1	..	..	..	..	..	..	....	..	..	....	..	2	..	..	4	4	....	7	1	....	6	2	....	1	1	1	1	3	1	..	..	..	..	..	..
66. Pneumonia	30	4	1	1	..	..	1	..	2	2	2	..	2	2	8	5	..	23	7	....	13	16	1	11	18	1	1	7	6	3	4	..	1	2	3	2	..	1
67. Pleurisy	3	....	..	..	..	..	..	..	..	....	..	..	1	..	1	1	..	2	1	....	....	3	....	....	3	....	1	..	..	..	..	..	..	..	..	..	1	1
68. Congestion of Lungs	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	..	..	..	..	..	..	..	1
70. Asthma and Emphysema	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	3	1	..	..	..	..	..	..	..	....	..	..	....	..	1	1	..	1	2	....	1	2	....	1	2	....	..	..	..	..	..	1	..	..	..	..	1	1
V.—Diseases of Digestive System.																																						
Group Total	66	25	9	4	..	..	..	2	4	4	4	1	2	6	3	2	..	35	31	....	56	10	....	50	16	....	4	1	6	5	2	1	6	8	15	11	3	1
76. Ulcer of Stomach	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
77. Gastritis	5	....	2	..	..	..	..	..	..	1	1	..	....	..	1	..	..	2	3	....	4	1	....	3	2	....	1	..	..	..	1	..	1	..	1	..	1	..
78. Other Diseases of the Stomach	13	6	2	..	..	..	..	2	..	....	..	..	....	2	1	..	..	8	5	....	11	2	....	10	3	....	..	..	1	..	1	1	..	4	2	1	2	1
80. Diarrhœa and Enteritis (under 2 years)	20	15	5	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	12	....	20	....	....	20	....	....	..	..	..	..	..	..	..	..	3	9	6	2
81. Diarrhœa and Enteritis (2 years and over)	5	....	..	4	..	..	..	..	1	....	..	..	....	..	..	..	..	3	2	....	4	1	....	5	....	....	..	..	..	1	..	..	..	2	..	1	1	..
82. Hernia	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
83. Obstruction of Intestines	4	1	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	3	1	....	4	....	....	2	2	....	..	..	..	2	1	..	..	..	..	..	1	..
84. Other Diseases of Intestines	5	1	..	..	..	..	..	..	..	1	..	..	....	..	1	..	2	4	1	....	2	3	....	2	3	....	1	1	..	1	..	..	..	1	1	..	..	..
87. Cirrhosis of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..
89. Other Diseases of Liver	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	1	1	....	1	1	....	1	1	....	..	..	..	..	1	..	..	..	..	..	..	1
91. Peritonitis (Non-puerperal)	6	1	..	..	..	..	..	1	1	3	..	..	....	..	..	..	..	1	5	....	5	1	....	3	3	....	1	1	3	..	..	..	..	..	1	..	..	..
92. Appendicitis	3	....	..	..	..	..	..	..	2	....	..	1	....	..	..	..	..	2	1	....	3	....	....	3	....	....	..	1	..	1	..	..	..	1	..	..	..	..

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BRUCE.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XIV.—Ill-defined Diseases.																																						
Group Total	78	20	2	1	1	..	2	..	1	4	2	1	2	12	12	14	4	44	34	....	45	32	1	33	34	11	10	4	4	7	6	5	10	5	7	10	6	4
130. Dropsy	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	1	1	....	1	1	....	1	1	....	..	..	..	1	..	1	..	..	..	..	..	..
131. Heart Failure	28	....	..	..	1	..	..	..	..	....	1	1	1	9	8	7	..	19	9	....	11	17	....	2	23	3	5	2	..	3	6	2	..	..	..	2	3	..
132. Other ill-defined causes	4	2	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	3	1	....	3	1	....	2	2	..	..	..	..	1	..	1	..	..	..	..	..	3
133. Unknown causes	44	18	2	1	..	..	2	..	1	4	1	..	....	2	4	5	4	21	23	....	30	13	1	28	8	8	5	2	..	..	..	3	4	10	3	5	5	6	1
134. XV.—Still Births.																																						
Group Total	32	32	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	13	2	32	....	....	32	....	....	3	3	3	7	2	1	2	..	1	6	1	3

CAUSES OF DEATH BY COUNTIES—IN CARLETON, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	1,830	601	91	37	15	16	33	28	45	143	122	94	122	157	168	144	14	935	895	.....	1,449	317	64	1,057	686	87	143	171	179	175	158	145	187	158	135	130	135	114
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	120	26	22	10	6	4	11	4	2	9	9	4	7	5	..	1	..	67	53	....	101	19	....	98	20	2	4	6	9	10	5	9	14	9	8	19	17	10
1. Typhoid Fever	26	....	2	1	..	..	1	2	2	7	6	2	3	..	..	..	..	21	5	....	20	6	....	....	17	9	..	..	..	..	1	2	2	1	2	7	8	3
4. Measles	3	....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	....	3	..	....	3	..	....	..	..	..	..	1	1	..	1	..	..	..	..
5. Scarlet Fever	5	....	1	..	..	1	1	1	..	....	..	1	....	..	..	..	..	4	1	....	4	1	....	4	1	....	1	..	..	..	..	..	..	..	1	..	..	..
6. Whooping Cough	50	23	14	3	4	2	4	..	..	..	..	..	....	..	..	..	..	23	27	....	44	6	....	50	..	....	2	2	2	3	..	3	10	6	6	8	2	..
7. Diphtheria and Croup	16	....	3	4	1	1	4	..	..	1	..	1	....	1	..	..	..	10	6	....	15	1	....	15	1	....	2	..	..	3	..	..	..	..	..	..	..	3
8. Influenza	14	3	1	..	..	..	1	1	..	1	2	1	2	1	..	1	..	4	10	....	11	3	....	7	6	1	1	4	3	4	1	..	..	..	1	..	1	4
9. Dysentery	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	..	....	1	..	....	....	..	1	..	..	..	..	..	..	..	..	..	1	..	..
10. Erysipelas	4	....	..	..	..	..	..	..	..	....	..	..	....	2	1	..	..	1	3	....	3	1	....	1	3	....	..	..	..	..	..	1	..	..	..	..	1	..
11. Other Epidemic Diseases	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	..	..	1	..

(B.—Other General Diseases.)																																					
Group Total	262	7	3	2	2	1	5	7	9	41	48	41	34	34	19	6	3	106	156	....	195	50	17	92	152	18	24	31	32	24	24	25	17	18	21	14	22	10
12. Septicæmia	6	2	..	..	..	..	1	..	..	1	2	..	....	....	..	..	..	3	3	....	6	....	....	3	3	....	..	1	..	1	..	3	..	..	1	..	..	..
13. Tuberculosis of Lungs	114	1	2	..	..	..	1	4	5	30	28	23	11	4	4	..	1	49	65	....	90	19	5	45	64	5	11	12	16	9	10	13	8	8	10	6	9	2
15. Tuberculous Meningitis	5	..	..	1	..	..	..	1	..	2	..	..	..	..	..	..	1	3	2	....	5	....	....	5	....	....	..	..	1	1	..	..	2	1	..	..	..	..
16. Abdominal Tuberculosis	4	..	..	..	1	..	1	..	..	..	..	1	..	..	1	..	..	1	3	....	4	....	....	2	2	....	1	1	..	1	..	1	..	..	..	..	..	..
17. Pott's Disease	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
18. Tuberculous Abscess	2	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	1	..	..	..	..	..	..	..	..	..
19. White Swelling	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	1	....	..	..	..	1	..	..	..	..	..	..	..	1	..
20. Tuberculosis of other organs	3	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
21. General Tuberculosis	3	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	1	..	..	..	1	..	..	1	..	..
22. Scrofula	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	1	..	1	..	..	..	1
23. Venereal Diseases	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
25. Cancer of Stomach and Liver	25	..	..	..	..	..	..	..	..	..	1	2	7	7	5	3	..	13	12	....	18	5	2	2	23	....	2	5	1	4	..	4	2	3	..	2	2	..
26. Cancer of Intestines	7	..	..	..	..	..	..	..	..	..	3	..	1	2	1	..	..	3	4	....	5	2	....	4	3	....	1	1	..	1	2	..	1	..	..	..	..	1
27. Cancer of Genital Organs	5	..	..	..	..	..	..	..	..	..	1	..	1	1	2	..	..	1	4	....	2	3	....	1	3	1	1	..	..	1	..	1	..	1	..	..	..	..
28. Cancer of Breast	9	..	..	..	..	..	..	..	..	..	..	1	3	3	1	1	..	..	9	....	4	4	1	....	9	....	3	..	..	1	..	1	..	1	..	1	..	..
29. Cancer of Skin	1	..	..	..	..	..	..	1	..	..	1	1	..	..	..	1	..	2	2	....	3	1	....	1	2	1	..	..	..	..	..	2	1	..	..	1	..	..
30. Cancer of other unspecified organs	19	..	..	..	..	..	..	..	..	..	2	5	2	6	2	1	1	4	15	....	9	7	3	1	12	6	..	2	3	..	3	1	..	1	4	1	3	1
31. Tumors	4	..	..	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	4	....	4	....	....	1	2	1	..	..	1	2	..	..	..	..	..	..	1	..
32. Rheumatism	11	..	..	..	..	..	..	..	..	2	2	1	2	3	1	..	..	4	7	....	8	1	2	6	5	....	1	5	..	1	2	1	..	..	..	1	..	3
33. Diabetes	12	..	..	..	..	2	..	..	..	2	2	1	1	3	1	..	..	7	5	....	8	3	1	2	9	1	2	2	1	..	..	..	..	2	1	..	..	..
34. Anæmia, Leukæmia	13	2	..	..	..	1	..	..	..	1	3	..	2	3	1	..	..	7	6	....	10	2	1	4	6	3	..	1	4	1	3	..	..	..	3	..	1	..
35. Alcoholism	5	..	..	..	..	..	..	..	..	..	3	1	1	..	..	..	..	3	2	....	3	2	....	2	3	....	..	2	..	2	..	..	..	..	..	..	..	1
37. Other General Diseases	7	..	..	1	..	..	..	..	1	..	..	1	2	2	..	..	..	1	6	....	4	1	2	3	4	....	..	..	1	..	1	..	2	..	..	..	2	1
II.—Diseases of Nervous System.																																					
Group Total	170	24	12	8	1	2	8	6	6	10	8	7	12	23	29	13	1	84	86	....	136	26	8	83	78	9	16	17	15	18	21	16	19	11	5	15	9	8
38. Encephalitis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	..	..	1	..	1	....	..	..	..	..	..	..	..	..	1	..	..	..
39. Meningitis	35	7	7	4	..	1	4	4	1	6	..	..	..	..	1	..	..	17	18	....	33	1	1	32	3	....	3	2	3	8	5	3	3	5	1	2	..	..
40. Locomotor Ataxia	4	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	..	2	2	....	3	....	1	1	3	....	1	..	1	..	1	..	..	..	..	1	..	..
41. Other Diseases of Spinal Cord	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	1	..	..	..	..	..	..
42. Apoplexy	39	..	1	..	..	..	..	..	1	2	2	3	7	9	7	6	1	21	18	....	25	11	3	7	27	5	1	5	5	4	5	3	4	1	3	2	4	2
44. Paralysis	38	..	..	..	..	1	..	..	1	1	1	..	2	11	15	6	..	13	25	....	26	11	1	5	30	3	5	4	1	3	5	8	3	1	..	5	1	2
45. General Paralysis of Insane	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	....	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	1
46. Other forms of Mental Disease	2	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	2	..	....	2	....	....	2	....	....	..	..	..	..	..	..	1	..	..	1	..	..
47. Other Diseases of Brain	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..
48. Epilepsy	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	1	....	2	....	....	1	1	....	..	1	..	..	..	..	..	..	..	..	..	..
49. Convulsions	30	15	4	4	1	..	3	..	1	..	2	..	..	..	..	..	..	16	14	....	28	2	....	28	2	....	3	5	4	3	2	1	6	4	..	2	..	..
50. Tetanus	3	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	3	..	....	2	..	1	2	1	....	..	..	1	..	..	..	1	..	..	..	..	..
51. Other Diseases of Nervous System	12	1	..	..	..	1	..	1	..	1	2	2	1	..	3	..	..	6	6	....	11	1	....	5	6	1	2	..	..	..	2	1	1	..	..	3	1	2
III.—Diseases of Circulatory System.																																					
Group Total	140	5	2	..	..	..	1	2	4	16	8	9	20	21	31	18	..	58	82	....	84	51	5	26	107	7	11	11	17	14	14	14	10	9	12	10	10	8
52. Pericarditis	3	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	3	....	3	....	....	..	2	1	..	..	1	1	1	..	..	..	..	..	..	..
53. Endocarditis	23	..	..	..	..	..	1	..	..	1	..	..	6	7	5	3	..	6	17	....	15	8	....	2	20	1	..	2	2	2	4	2	1	1	1	3	1	2
54. Heart Disease	83	3	2	..	..	..	..	1	4	9	7	5	11	16	16	9	..	41	42	....	49	31	3	19	62	2	8	8	8	8	8	9	7	3	10	4	5	5
56. Diseases of Arteries	16	..	..	..	..	..	..	..	..	1	..	..	3	1	5	6	..	8	8	....	7	7	2	....	11	2	..	..	4	1	1	..	2	..	2	1	2	1
57. Embolism and Thrombosis	7	..	..	..	..	..	..	1	..	1	..	3	..	..	2	..	..	1	6	....	4	3	....	2	4	1	1	1	..	2	..	1	..	1	..	1	..	..
60. Other Diseases of Circulatory System	8	2	..	..	..	..	..	..	..	3	..	..	..	..	3	..	..	2	6	....	6	2	....	3	5	....	..	..	2	..	..	2	..	2	..	..	2	..

CARLETON.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IV.—Diseases of Respiratory System.																																						
Group Total	203	58	16	9	3	3	3	..	5	16	7	8	17	24	18	14	2	102	101	..	151	43	9	110	79	14	26	29	26	27	28	15	5	4	9	13	13	8
61. Diseases of Larynx	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	2	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	17	8	2	3	..	..	..	..	..	..	..	..	....	1	1	2	..	8	9	....	12	5	....	13	4	....	..	..	1	2	2	4	..	2	1	2	..	1	2
64. Chronic Bronchitis	7	....	..	..	..	..	..	..	..	....	..	..	....	2	3	1	1	2	5	....	4	3	....	3	4	....	..	..	1	1	2	..	1	1	1	..	..	..
65. Broncho-pneumonia	38	16	9	2	1	..	..	..	..	2	..	..	2	1	3	2	..	22	16	....	33	4	1	28	6	4	3	5	7	5	8	4	..	2	1	3	..
66. Pneumonia	106	25	3	4	2	3	2	..	4	9	6	6	13	11	9	8	1	54	52	....	77	22	7	50	51	5	14	20	13	16	8	9	1	2	4	8	8	3
67. Pleurisy	11	1	2	..	..	..	..	..	..	3	1	2	1	1	..	..	..	6	5	....	9	2	....	6	5	....	2	..	1	..	2	2	1	..	..	1	..	2
68. Congestion of Lungs	7	4	..	..	..	..	..	..	..	1	..	..	....	2	..	..	..	2	5	....	5	2	....	4	2	1	2	..	..	1	2	..	..	..	..	1	1	..
70. Asthma and Emphysema	5	....	..	..	..	..	..	..	..	....	..	..	....	2	2	1	..	....	5	....	1	4	....	....	5	....	2	..	..	1	..	..	..	..	..	2	..	..
71. Hemorrhage of Lungs	3	....	..	..	..	..	1	..	1	....	..	..	....	1	..	..	..	1	2	....	3	....	....	2	1	....	1	..	2	..	..	..	..	..	..	..	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	7	2	..	..	..	..	..	..	..	1	..	..	1	3	..	..	..	6	1	....	5	1	1	2	1	4	2	1	..	1	2	..	..	..	..	..	..	1
V.—Diseases of Digestive System.																																						
Group Total	227	114	31	4	2	2	1	4	7	12	10	7	7	11	11	4	..	122	105	...	201	21	5	177	38	12	11	18	13	16	13	8	49	43	27	10	10	9
75. Other Diseases of Pharynx	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
76. Ulcer of Stomach	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	1	..	..	..	..	1	..	..	..	..
77. Diarrhœa	9	5	..	1	..	..	..	..	..	....	1	..	1	..	1	..	..	5	4	....	6	3	....	5	2	2	1	2	1	1	..	..	..	..	2	2	..
78. Other Diseases of the Stomach	19	11	1	..	..	..	..	..	..	....	..	2	....	2	3	..	..	9	10	....	15	3	1	10	6	3	2	4	3	2	2	..	1	2	..	1	1	1
80. Diarrhœa and Enteritis (under 2 years)	115	86	29	..	..	..	..	..	..	....	..	..	....	..	..	..	..	65	50	....	115	....	....	115	....	....	3	..	1	2	3	..	2	37	33	23	3	3	5
81. Diarrhœa and Enteritis (2 years and over)	13	....	..	3	..	..	..	..	..	1	2	1	1	3	..	2	..	3	10	....	7	4	2	4	7	2	..	2	1	1	1	1	2	3	..	1	1	..
82. Hernia	3	....	..	..	..	..	..	..	..	....	..	..	....	..	2	1	..	1	2	....	2	1	....	....	3	....	1	1	..	..	1	..	..	..	..	..	..	..
83. Obstruction of Intestines	10	1	..	..	1	1	..	..	1	1	2	1	....	1	..	1	..	6	4	....	8	2	....	6	4	....	1	1	1	3	1	1	2	..	..	..	..	..
84. Other Diseases of Intestines	10	6	..	..	1	..	..	..	..	....	1	..	....	..	2	..	..	6	4	....	8	2	....	7	1	2	1	1	2	1	..	2	1	1	..	..	1	..
86. Hydatid Tumors of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	1	..	..
87. Cirrhosis of Liver	7	....	..	..	..	..	..	..	..	1	..	..	3	3	..	..	..	5	2	....	6	1	....	3	4	....	..	1	1	3	..	..	1	..	..	1	..	..
89. Other Diseases of Liver	3	2	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	2	....	2	1	....	2	1	....	..	..	..	1	..	..	1	..	1	..	..	..
91. Peritonitis (Non-puerperal)	21	3	1	..	..	1	..	1	1	6	3	1	1	1	2	..	..	12	9	....	18	3	....	14	6	1	1	2	2	4	1	3	2	2	2	..	..	2
92. Appendicitis	13	....	..	..	..	..	1	3	5	2	..	2	....	..	..	..	..	7	6	....	11	1	1	10	1	2	1	2	1	..	2	..	2	2	..	3	1	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	54	2	2	1	..	..	..	1	1	7	6	7	6	7	8	5	1	39	15	....	36	14	4	19	29	6	3	8	2	8	3	2	2	3	5	5	6	7
94. Acute Nephritis	10	1	..	..	..	..	..	..	1	2	3	1	1	..	1	..	..	5	5	....	8	2	....	6	4	....	..	..	5	..	..	..	..	..	1	..	..	..
95. Bright's Disease	33	1	2	1	..	..	..	1	..	4	2	5	4	4	5	3	1	21	9	....	20	10	3	11	18	4	3	3	2	2	2	3	2	2	3	3	3	2
96. Other Diseases of Kidneys	3	....	..	..	..	..	..	..	..	....	1	..	1	..	..	1	..	2	1	....	2	1	....	1	2	....	..	..	..	..	1	..	..	..	1	..	1	..
98. Diseases of Bladder	5	....	..	..	..	..	..	..	..	....	..	..	....	3	1	1	..	5	....	....	3	1	1	....	4	1	..	..	..	..	..	..	..	..	1	2	1	1
105. Other Diseases of the Genito-urinary System	3	....	..	..	..	..	..	..	..	1	..	1	....	..	1	..	..	3	....	....	3	....	....	1	1	1	..	..	..	..	..	..	..	..	..	1	1	1
VII.—The Puerperal State.																																						
Group Total	12	....	..	..	..	..	..	..	1	7	2	1	....	..	..	..	1	....	12	....	10	2	....	2	10	....	..	1	1	2	2	..	1	..	2	2	..	1
106. Puerperal Septicæmia	4	....	..	..	..	..	..	..	..	4	..	..	....	..	..	..	..	....	4	....	3	1	....	1	3	....	..	..	1	1	1	1	..	..	..	..	..	..
108. Other causes incident to Childbirth	8	....	..	..	..	..	..	..	1	3	2	1	....	..	..	..	1	....	8	....	7	1	....	1	7	....	..	..	..	1	1	..	1	..	2	2	..	1

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CAUSES OF DEATH BY COUNTIES—IN DUFFERIN, 1908

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	218	50	7	4	.....	1	2	1	2	11	16	15	14	25	51	18	1	118	100	.....	139	69	10	81	126	11	25	15	18	21	26	12	13	20	18	19	12	19
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	10	2	1	1	..	1	1	..	1	....	..	..	....	..	3	..	..	6	4	....	7	3	....	7	3	....	..	1	2	2	..	..	..	2	1	..	..	2
2. Malarial Fever	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
5. Scarlet Fever	2	....	..	..	..	1	..	..	1	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	..	1	..	..	..	1
6. Whooping Cough	2	....	1	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	2	..	..	..	..	..	..	..	..	..
8. Influenza	2	1	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	1	....	1	1	....	1	1	....	..	..	..	2	..	..	..	..	..	..	..	..
9. Dysentery	1	....	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
10. Erysipelas	2	1	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	1	....	1	1	....	1	1	....	..	1	..	..	..	..	..	1	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	37	2	..	..	..	..	..	..	..	1	6	9	4	3	5	7	..	20	17	....	24	12	1	10	24	3	6	2	3	8	6	1	1	1	2	4	..	3
12. Septicæmia	2	1	..	..	..	..	..	..	..	..	1	..	....	..	..	..	..	1	1	....	1	....	....	1	1	....	..	1	..	..	1	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	12	....	..	..	..	..	..	1	5	6	1	1	..	..	..	..	..	6	6	....	10	1	1	6	6	....	5	1	1	1	1	..	..	1	..	..	..	2
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
20. Tuberculosis of other organs	2	....	..	..	..	..	..	..	1	1	..	..	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	1	..	1	..	..	..	..	..	..
25. Cancer of Stomach and Liver	5	....	..	..	..	..	..	..	..	....	..	..	1	1	3	..	..	4	1	....	1	4	....	....	3	2	..	..	..	..	1	..	1	1	2	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	3	....	..	..	..	..	..	..	..	....	..	2	....	..	1	..	..	1	2	....	2	1	....	....	3	....	1	..	..	..	..	1	..	..	1	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	1	1	..	..	....	..	..	..	..	2	....	....	1	1	....	1	....	1	..	..	..	..	1	..	..	..	..	..	..	1
34. Anæmia, Leukæmia	4	1	..	..	..	..	..	..	..	....	..	1	....	2	....	..	..	2	2	....	3	1	....	....	4	....	..	..	..	3	..	..	..	..	1	..	..	..
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	1	..	..	1	..	..	..	1	1	..	2	....	....	1	1	....	..	..	..	..	1	1	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	20	5	2	..	..	..	1	..	..	....	1	..	2	1	7	1	..	10	10	....	10	9	1	8	12	....	5	1	2	..	3	..	4	1	2	1	1	..
38. Encephalitis	2	....	1	..	..	..	..	..	..	....	..	..	....	..	1	..	..	2	....	....	....	2	....	1	1	....	..	..	..	..	..	..	..	..	1	..	1	..
39. Meningitis	3	1	..	..	..	..	1	..	..	....	1	..	....	..	..	..	..	....	3	....	3	....	....	2	1	....	2	..	..	..	..	..	..	1	..	..	..	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
42. Apoplexy	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	1	1	....	....	1	1	....	2	....	..	..	..	..	..	..	..	1	..	..	1	..
44. Paralysis	6	....	..	..	..	..	..	..	..	....	..	..	1	..	4	1	..	2	4	....	1	5	....	....	6	....	2	1	1	..	1	..	1	..	..	..	..	..
49. Convulsions	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	1	....	4	....	....	4	....	....	1	..	..	..	2	..	1	..	..	..	..	..
50. Tetanus	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..

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DUFFERIN.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
X.—Malformations.																																						
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
116. Congenital Malformations (Still Births excluded)	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
XI.—Early Infancy.																																						
Group Total	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	7	....	11	....	....	11	....	....	..	..	5	2	..	1	..	..	1	..	1	1
117. Premature Birth	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	....	2	..	....	2	....	....	..	..	1	..	..	..	..	..	1	..	..	..
118. Congenital Debility	9	9	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	5	....	9	....	....	9	....	....	..	..	4	2	..	1	..	..	..	..	1	1
119. XII.—Old Age.																																						
Group Total	17	....	..	..	..	..	..	..	..	....	..	..	....	1	7	9	..	10	7	....	3	12	2	1	15	1	2	1	2	..	3	..	..	2	1	1	2	3
XIII.—Violence and Other External Causes.																																						
Group Total	7	1	..	..	..	..	..	..	..	....	1	3	1	1	..	..	..	5	2	....	6	1	....	1	6	....	1	..	..	..	3	2	..	..	1	..	..	..
124. Drowning	2	..	..	..	..	..	..	..	..	....	..	2	....	..	..	..	..	1	1	....	2	....	....	....	2	....	..	..	..	..	2	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	5	1	..	..	..	..	..	..	..	....	1	1	1	1	..	..	..	4	1	....	4	1	....	1	4	....	1	..	..	..	1	2	..	..	1	..	..	..
XIV.—Ill-defined Diseases.																																						
Group Total	22	7	..	..	..	..	..	..	..	....	2	..	2	5	4	1	1	11	11	....	12	7	3	8	12	2	2	..	..	2	2	..	2	5	..	6	1	2
131. Heart Failure	8	....	..	..	..	..	..	..	..	....	1	..	2	3	2	..	1	3	5	....	3	5	....	....	7	1	2	..	..	1	2	..	..	1	..	2	..	..
133. Unknown causes	14	7	..	..	..	..	..	..	..	....	1	..	1	2	2	1	..	8	6	....	9	2	3	8	5	1	..	..	..	1	..	..	2	4	..	4	1	2
134. XV.—Still Births.																																						
Group Total	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	5	....	11	....	....	11	....	....	1	1	1	..	2	1	1	..	1	1	..	2

CAUSES OF DEATH BY COUNTIES—IN ELGIN, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	562	105		15	7	2	5	5	8	13	34	22	30	49	60	103	101	13	292	270	.....	387	164	11	233	319	10	57	60	50	36	57	35	41	45	43	47	49	42
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	34	4	2	..	1	1	1	2	3	7	1	1	1	1	7	2	..	21	13	....	28	5	1	23	9	2	7	7	1	..	..	3	..	2	2	6	4	2
1. Typhoid Fever	13	....	..	..	..	..	..	1	2	7	..	1	..	1	..	1	..	..	10	3	....	12	1	....	8	4	1	..	..	..	..	..	3	..	2	..	4	3	1
6. Whooping Cough	3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	..	..	....	....	....	..	1	..	..	..	..	..	..	1	1	..	..
7. Diphtheria and Croup	4	....	..	..	1	1	1	1	..	....	..	..	..	..	..	..	..	..	3	1	....	4	....	....	4	....	....	2	1	..	..	..	..	..	..	..	..	..	1
8. Influenza	10	....	..	..	..	..	..	..	1	....	1	..	..	1	5	2	..	..	4	6	....	7	2	1	4	5	1	2	5	1	..	..	..	..	..	1	1	..
9. Dysentery	2	....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	....	....	2	....	2	....	....	..	1	..	..	..	..	..	..	1	..	..	..
10. Erysipelas	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	....	....	2	....	....	2	....	....	2	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	73	1	..	..	..	..	..	2	3	4	10	9	10	11	9	9	3	2	31	42	....	52	21	....	26	47	....	3	7	6	11	13	5	3	4	3	10	4	4
12. Septicæmia	2	....	..	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	....	2	....	1	1	....	1	1	....	..	..	..	..	1	..	..	1	..	..	..	..
13. Tuberculosis of Lungs	27	....	..	..	..	..	..	1	1	6	8	5	3	1	1	..	1	....	8	19	....	20	7	....	10	17	....	1	3	2	5	5	3	2	..	1	3	1	1
15. Tuberculous Meningitis	1	....	..	..	..	..	1	..	..	....	..	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
20. Tuberculosis of other organs	4	....	..	..	..	..	1	..	..	1	..	..	1	1	..	..	..	..	2	2	....	2	2	....	2	2	....	..	..	..	..	..	..	..	..	..	..	..	..
21. General Tuberculosis	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	....	1	....	....	1	....	....	....	....	..	..	..	..	1	..	1	..	..	..	..	1
23. Venereal Diseases	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	1
25. Cancer of Stomach and Liver	5	....	..	..	..	..	..	..	..	..	..	1	....	1	2	1	..	..	2	3	....	3	2	....	....	5	....	..	..	..	..	1	1	..	1	1	..	..	1
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	....	2	....	1	1	....	1	1	....	..	..	..	..	..	..	1	1	..	..	..	..
30. Cancer of other unspecified organs	11	....	..	..	..	..	..	..	..	..	..	2	2	3	3	1	..	..	5	6	....	9	2	....	2	9	....	1	1	2	4	2	..	..	..	1	..	..	..
31. Tumors	1	....	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	8	....	..	..	..	..	1	..	3	....	..	..	1	..	1	1	1	..	5	3	....	3	5	....	5	3	....	1	..	..	1	..	1	1	..	..	3	1	..
33. Diabetes	6	....	..	..	..	..	..	..	1	..	....	..	2	2	1	..	..	..	5	1	....	6	....	....	1	5	....	..	2	..	1	1	..	..	..	..	1	1	..
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	..	..	..	....	1	..	1	1	..	..	..	2	1	....	3	....	....	1	2	....	..	..	1	..	1	..	..	..	..	..	1	..
II.—Diseases of Nervous System.																																						
Group Total	80	17	3	2	..	..	..	1	2	4	2	6	4	11	17	9	2	37	43	....	56	22	2	38	41	1	8	10	11	5	13	7	8	6	2	4	4	2
39. Meningitis	11	4	1	1	..	..	..	1	2	....	1	..	1	..	..	..	..	..	4	7	....	11	....	....	10	1	....	..	..	..	..	4	1	3	3	..	..	..	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	1	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
42. Apoplexy	17	....	..	..	..	..	..	..	..	..	..	..	3	1	3	6	3	1	8	9	....	8	8	1	2	14	1	2	3	2	..	3	3	1	1	..	..	1	1

ELGIN.—Continued.[1]

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
43. Softening of Brain	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	....	2	....	....	1	1	....	2	....	1	1	....	..	..	..	..	..	..	..	..	..
44. Paralysis	25	....	..	..	..	..	..	..	..	1	1	1	2	6	8	6	..	16	9	....	17	8	....	5	20	....	3	3	4	2	4	3	1	2	..	2	....	1
46. Other forms of Mental Disease	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
49. Convulsions	17	11	2	1	..	..	..	..	..	2	..	..	....	..	..	..	1	7	10	....	14	3	....	15	2	....	2	1	5	3	1	..	1	.	2	1	1	..
51. Other Diseases of Nervous System	5	1	..	..	..	..	..	..	..	1	..	2	....	1	..	..	..	....	5	....	4	1	....	4	1	....	..	1	..	..	1	..	..	..	..	1	2	..
III.—Diseases of Circulatory System.																																						
Group Total	**56**	1	1	..	..	1	..	..	1	2	1	2	7	11	22	7	..	30	26	....	39	16	1	9	46	1	4	7	5	2	8	1	2	4	4	3	7	9
54. Heart Disease	44	1	..	..	..	1	..	..	..	1	..	1	7	10	19	4	..	23	21	....	31	12	1	6	37	1	3	7	3	2	5	1	2	3	3	3	7	5
56. Diseases of Arteries	6	....	..	..	..	..	..	..	..	....	..	..	....	1	2	3	..	5	1	....	4	2	....	1	5	....	..	..	..	..	1	..	..	1	1	..	..	3
57. Embolism and Thrombosis	3	....	..	..	..	..	..	..	1	1	..	1	....	..	..	..	..	1	2	....	2	1	....	1	2	....	..	..	1	..	1	..	..	..	..	..	..	1
59. Diseases of Lymphatics	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	....	2	....	1	1	....	....	2	....	1	..	..	..	1	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	**54**	10	..	2	1	..	..	..	1	2	3	2	4	9	10	10	..	24	30	....	35	19	....	15	38	1	10	10	5	7	5	..	1	..	1	2	6	7
61. Diseases of Larynx	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
64. Chronic Bronchitis	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	1	1	....	1	1	....	1	1	....	..	..	1	..	..	..	..	..	..	1	..	..
65. Broncho-pneumonia	3	1	..	1	..	..	..	..	..	....	..	..	....	..	..	1	..	1	2	....	1	2	....	2	1	....	1	1	..	..	..	..	..	..	1	..	..	..
66. Pneumonia	44	8	..	1	1	..	..	..	1	1	3	1	4	8	8	8	..	19	25	....	28	16	....	10	33	1	9	8	2	6	4	..	1	..	1	6	7
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	2	....	..	..	..	..	..	..	..	1	..	1	....	..	..	..	..	....	2	....	2	....	....	1	1	....	..	..	1	1	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	**64**	26	6	1	..	3	2	2	..	....	1	3	4	4	6	6	..	37	27	....	55	8	1	44	20	....	4	2	6	3	4	..	4	7	15	11	6	2
77. Gastritis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
78. Other Diseases of Stomach	15	10	..	..	..	..	1	..	..	....	..	1	....	1	1	1	..	7	8	....	13	2	....	11	4	....	2	2	..	5	1	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	20	15	5	..	..	..	..	..	..	....	..	..	....	..	..	..	..	11	9	....	19	1	....	20	..	....	..	..	..	..	..	..	1	3	10	4	2	..
81. Diarrhœa and Enteritis (2 years and over)	3	....	..	1	..	2	..	..	..	....	..	..	....	..	..	..	..	3	....	....	2	1	....	3	....	....	..	..	..	..	..	..	..	..	2	1	..	..
83. Obstruction of Intestines	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	....	2	....	1	1	....	1	1	....	..	..	1	..	..	..	..	..	..	..	1	..
84. Other Diseases of Intestines	9	1	1	..	..	..	1	1	..	....	..	..	....	1	1	3	..	4	5	....	9	....	....	5	4	....	..	..	..	2	1	..	1	..	3	1	1	..
86. Hydatid Tumors of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
87. Cirrhosis of Liver	3	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	....	.	2	....	1	1	2	....	..	..	..	..	2	..	..	1	..	..	..	..
89. Other Diseases of Liver	3	....	..	..	..	..	..	..	..	....	1	1	....	1	..	1	..	2	1	....	1	2	....	....	3	....	..	..	..	2	..	..	1	..	..	..	..	..
91. Peritonitis, Non-puerperal	4	....	..	..	..	..	1	..	..	....	1	..	1	..	1	..	..	4	....	....	3	1	....	2	2	....	1	..	1	..	..	..	..	1	..	..	..	1
92. Appendicitis	3	....	..	..	1	..	..	..	..	....	..	..	1	1	..	..	..	2	1	....	3	....	....	1	2	....	1	1	..	..	..	..	..	..	..	1	1	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	**21**	2	1	..	..	..	..	..	..	2	1	1	4	5	1	3	1	10	11	....	15	6	....	4	17	....	4	1	3	3	2	1	1	2	..	1	2	1
95. Bright's Disease	15	1	1	..	..	..	..	..	..	2	..	1	3	4	1	2	..	4	11	....	10	5	....	3	12	....	4	1	3	2	1	..	1	1	..	..	2	..
96. Other Diseases of Kidneys	4	1	..	..	..	..	..	..	..	....	1	..	1	..	..	1	..	4	....	....	3	1	....	1	3	....	..	..	..	1	1	..	..	1	..	1	..	..
105. Other Diseases of the Genito-urinary System	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	2	....	....	2	....	....	....	2	....	..	..	..	..	..	1	..	..	..	..	..	1

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CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	849	232	31	16	9	13	17	10	26	56	37	46	63	100	125	63	5	439	410	.....	635	192	22	433	373	43	81	76	85	79	91	62	55	69	56	63	71	61
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	65	10	3	4	4	7	5	3	3	6	5	1	3	5	2	1	..	35	30	....	58	7	....	48	15	2	7	8	7	6	4	3	1	2	6	3	7	11
1. Typhoid Fever	23	....	..	..	2	1	1	1	2	5	5	1	3	2	..	..	..	20	3	....	20	3	....	15	6	2	1	2	1	2	2	1	1	..	4	2	4	3
4. Measles	4	....	1	..	1	..	1	..	1	....	..	..	....	..	..	..	..	2	2	....	4	....	....	4	....	....	2	..	..	..	1	1	..	..	..	..	..	..	..
5. Scarlet Fever	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	2	1	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	1	2	....	....	2	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	23	6	2	2	2	5	3	1	1	1	..	..	....	..	..	..	..	8	15	....	23	....	....	22	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..
8. Influenza	11	2	1	..	..	..	..	..	..	....	..	..	3	1	4	..	..	4	7	....	7	4	....	4	7	....	3	1	3	..	1	2	..	..	1	1	1	3	7
11 Other Epidemic Diseases	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..	1
(B.—Other General Diseases.)																																						
Group Total	123	2	3	1	1	1	2	1	14	19	15	12	23	20	8	..	1	52	71	....	90	32	1	43	78	2	2	12	20	16	14	11	6	5	5	8	16	8
12. Septicæmia	4	....	..	..	..	..	..	..	1	1	1	..	....	1	..	..	..	1	3	....	4	....	....	1	3	....	..	1	..	1	2	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	57	1	..	..	..	..	1	1	11	15	9	7	7	4	..	..	1	28	29	....	46	10	1	29	27	1	1	6	13	6	6	7	3	2	2	1	6	4
15. Tuberculous Meningitis	6	1	2	1	1	1	..	..	..	..	..	..	..	..	..	..	..	2	4	....	6	....	....	6	....	....	..	..	..	2	..	1	..	..	1	..	2	..	..
21. General Tuberculosis	4	....	..	..	..	..	..	..	2	1	..	..	....	..	..	..	..	2	2	....	4	....	....	2	2	....	..	..	..	..	..	..	..	..	1	1	..	2	1
25. Cancer of Stomach and Liver	14	....	..	..	..	..	..	..	..	1	..	1	6	5	1	..	..	6	8	....	9	5	....	1	13	....	1	2	..	1	2	1	1	..	1	2	2	1
26. Cancer of Intestines	5	....	..	..	..	..	..	..	..	....	1	1	1	..	2	..	..	2	3	....	3	2	....	....	5	....	..	..	..	2	..	..	1	..	..	2	2	..	..
27. Cancer of Genital Organs	5	....	..	..	..	..	..	..	..	....	..	..	....	5	..	..	..	1	4	....	4	1	....	4	1	....	..	..	..	2	1	..	..	..	1	..	1	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	17	....	1	..	..	..	..	..	..	....	2	1	6	2	5	..	..	5	12	....	11	6	....	1	16	....	..	2	1	3	2	2	1	2	..	1	1	2	..
32. Rheumatism	3	....	..	..	..	..	1	..	..	....	1	..	....	1	..	..	..	1	2	....	1	2	....	1	2	....	..	..	..	..	1	..	..	..	..	..	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	..	..	1	..	2	....	..	..	..	..	....	3	....	2	1	....	2	1	....	..	..	..	1	..	..	..	..	..	..	1	..	1
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	1	..	..
II.—Diseases of Nervous System.																																						
Group Total	60	10	9	2	..	..	5	1	1	....	1	4	4	7	14	2	..	30	30	....	49	10	1	32	26	2	7	5	8	3	8	5	3	4	5	4	4	4
38. Encephalitis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..
39. Meningitis	16	4	6	1	..	..	3	..	1	....	..	..	....	..	1	..	..	8	8	....	16	....	....	16	....	....	2	3	1	..	..	3	2	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..	2

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
98. Diseases of Bladder	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	1	..	2	1	....	2	1	....	....	3	....	1	..	..	..	..	..	..	1	..	1	..	..
100. Uterine Tumor	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
101. Other Diseases of Uterus	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
102. Ovarian Tumor	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
105. Other Diseases of the Genito-urinary System	2	..	..	..	..	..	..	..	..	....	..	..	....	..	1	1	..	2	....	....	2	..	....	....	2	....	..	..	..	..	..	..	1	..	..	1	..	..
VII.—The Puerperal State.																																						
Group Total	6	....	..	..	..	..	..	..	..	1	5	..	....	..	..	..	..	....	6	....	5	1	....	....	6	....	..	1	..	1	..	1	1	1	..	1	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
108. Other causes incident to Childbirth	5	....	..	..	..	..	..	..	..	1	4	..	....	..	..	..	..	....	5	....	4	1	....	....	5	....	..	1	..	1	..	1	..	1	..	1	..	..
VIII.—Diseases of Skin.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
109. Gangrene	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
IX.—Diseases of Locomotor System.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	....	1	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
115. Other Diseases of Locomotor System	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	....	1	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	72	72	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	36	36	....	72	....	....	72	....	....	13	2	3	4	14	8	5	7	5	5	5	1
117. Premature Birth	13	13	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	9	4	....	13	....	....	13	....	....	3	2	..	..	..	3	1	1	1	..	2	..
118. Congenital Debility	59	59	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	27	32	....	59	....	....	59	....	....	10	..	3	4	14	5	4	6	4	5	3	1
119. XII.—Old Age.																																						
Group Total	69	....	..	..	..	..	..	..	..	....	..	..	....	10	25	34	..	34	35	...	27	37	5	5	59	5	9	8	2	3	9	9	4	6	5	1	6	7
XIII.—Violence and Other External Causes.																																						
Group Total	37	2	1	1	2	..	2	..	2	9	1	6	3	1	6	1	..	29	8	....	18	17	2	21	11	5	2	1	..	2	5	4	3	4	5	4	5	2
120. Suicides	3	....	..	..	..	..	..	..	..	2	..	1	....	..	..	..	..	3	....	....	....	3	....	1	2	....	1	..	..	..	..	..	..	..	1	1	..	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	1	..	..	..
122. Burns and Scalds	4	....	..	..	1	..	2	..	..	....	..	..	....	..	1	..	..	3	1	....	2	2	....	4	....	....	..	..	..	..	..	1	2	..	..	..	1	..
124. Drowning	7	1	..	..	..	..	..	..	1	2	1	1	....	..	1	..	..	7	....	....	2	4	1	5	1	1	1	.	..	..	1	1	2	2	..	..	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	20	....	1	1	1	..	..	..	1	5	..	3	2	1	4	1	..	14	6	....	11	8	1	9	8	3	..	..	..	2	3	1	1	..	1	3	4	2
128. Injuries at Birth	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
XIV.—Ill-defined Diseases.																																						
Group Total	97	18	3	2	..	1	2	3	..	7	3	7	7	14	23	5	2	49	48	....	76	16	5	38	51	8	1	8	7	7	8	6	11	13	5	11	9	8
130. Dropsy	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	2	....	....	2	....	....	...	2	....	..	1	..	..	..	1	..	..	..	..	..	..
131. Heart Failure	38	1	1	1	..	1	1	..	..	3	1	4	2	10	12	1	..	16	22	....	28	7	3	8	28	2	1	7	4	6	4	3	..	1	..	6	3	3
132. Other ill-defined causes	19	9	1	..	..	..	1	1	..	1	2	1	2	..	..	1	..	12	7	....	16	3	....	13	6	....	..	..	3	1	4	1	1	3	..	4	2	..
133. Unknown causes	38	8	1	1	..	..	..	2	..	3	..	2	3	4	9	3	2	19	19	....	30	6	2	17	15	6	..	..	..	..	..	1	10	9	5	4	4	5
134. XV.—Still Births.																																						
Group Total	61	61	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	23	38	....	61	....	....	61	....	....	14	2	5	4	4	4	5	6	4	6	6	1

CAUSES OF DEATH BY COUNTIES—IN FRONTENAC, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	611	119	17	9	5	1	11	11	11	30	40	46	60	72	96	78	5	317	294	....	430	154	27	276	307	28	66	43	61	63	55	35	47	54	48	38	52	49
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	22	7	2	1	..	..	3	1	3	1	..	2	....	1	..	..	1	9	13	....	21	1	....	20	2	....	2	2	1	1	1	..	1	2	2	1	7	2
1. Typhoid Fever	9	....	..	1	..	..	1	..	3	1	..	1	....	1	..	..	1	6	3	....	9	....	....	7	2	....	..	..	..	..	..	..	..	1	..	6	..	2
5. Scarlet Fever	3	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	1	....	3	....	....	3	....	....	1	1	..	..	..	..	..	..	..	1	..	..
6. Whooping Cough	7	5	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	7	....	7	1	....	8	....	....	1	..	1	1	..	..	1	2	..	1	1	..
8. Influenza	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
9. Dysentery	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	103	2	1	..	..	..	2	3	4	9	18	16	14	10	17	7	..	57	46	....	75	26	2	38	61	4	8	8	8	16	9	6	4	7	8	8	10	11
12. Septicæmia	6	..	..	..	..	..	..	..	..	1	1	1	2	..	1	..	..	4	2	....	5	1	....	1	5	....	1	1	..	1	..	..	..	..	1	..	1	1
13. Tuberculosis of Lungs	45	1	1	..	..	..	1	1	4	6	15	5	3	3	5	..	..	23	22	....	39	5	1	24	21	....	4	2	3	6	4	5	2	4	3	3	5	4
15. Tuberculous Meningitis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
20. Tuberculosis of other organs	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
24. Cancer of Mouth	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	2	....	....	1	1	....	....	2	....	..	..	..	..	..	..	..	1	..	..	..	1
25. Cancer of Stomach and Liver	4	..	..	..	..	..	..	..	..	..	1	..	1	2	..	..	..	3	1	....	3	1	..	....	4	....	..	1	1	1	..	..	..	..	..	..	..	..
26. Cancer of Intestines	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	2	1	....	1	1	1	....	3	....	..	..	..	..	..	..	..	..	..	..	..	1
29. Cancer of Skin	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	16	..	..	..	..	..	..	..	..	..	6	3	..	6	1	..	..	7	9	....	8	8	....	3	11	2	1	2	2	4	..	..	..	1	..	2	3	1
31. Tumors	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..
32. Rheumatism	8	..	..	..	..	..	1	..	..	2	..	1	1	1	1	1	..	5	3	....	6	2	....	5	2	1	1	1	..	1	..	1	..	..	1	1	1
33. Diabetes	8	..	..	..	..	..	..	1	..	..	..	..	..	3	3	1	..	3	5	....	5	3	....	2	6	....	1	1	..	1	1	..	1	..	1	..	1	..
34. Anæmia, Leukæmia	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	1	....	2	1	....	1	2	....	..	..	..	..	..	..	..	..	..	..	..	..
35. Alcoholism	3	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	3	....	....	3	....	....	1	2	....	..	..	1	..	1	..	..	..	..	..	..	..
37. Other General Diseases	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	....	1	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	66	8	3	..	1	1	..	1	1	4	2	5	6	11	14	9	..	32	34	....	44	20	2	24	38	4	11	4	4	9	7	2	10	4	2	4	4	5
38. Encephalitis	3	1	..	..	..	..	..	..	1	1	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	1	....	....	....	....	....	....	....	....	2	..	..
39. Meningitis	9	2	2	..	..	..	1	..	1	..	2	..	1	..	..	..	..	4	5	....	8	1	....	8	1	....	1	..	..	..	1	2	1	4	..	..	..	..
41. Other Diseases of Spinal Cord	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	....	1	....	....	....	....	1	..	1	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	15	1	..	..	..	..	..	..	..	..	..	..	1	1	5	4	3	6	9	....	10	4	1	5	8	2	3	..	1	..	3	..	2	3	1	1	1	..
44. Paralysis	23	..	..	..	..	..	..	..	..	..	..	1	4	5	10	3	..	11	12	....	11	11	1	2	21	....	4	2	3	5	1	..	1	..	1	1	2	3

FRONTENAC.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
48. Epilepsy	4	....	..	..	..	..	..	..	..	1	..	1	....	....	..	2	..	3	1	....	2	2	....	1	3	....	1	1	..	1	..	..	..	..	..	..	..	1
49. Convulsions	9	3	1	..	1	..	..	..	..	....	2	1	....	1	..	..	..	4	5	....	7	2	....	4	4	1	1	..	..	2	1	..	3	1	....	1	..	..
51. Other Diseases of Nervous System	2	1	..	..	..	..	..	..	..	....	..	1	....	....	..	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	..	1	..	..	..	..	..	1
III.—Diseases of Circulatory System.																																						
Group Total	48	1	1	..	..	..	..	1	..	4	1	3	7	6	11	9	1	19	29	....	23	17	8	9	36	3	6	5	7	4	3	3	4	2	2	7	3
54. Heart Disease	36	....	1	..	..	..	..	1	..	....	1	2	7	6	7	7	1	13	23	....	17	13	6	6	28	2	6	5	6	4	2	1	3	2	..	1	5	1
56. Diseases of Arteries	7	....	..	..	..	..	..	..	..	....	..	1	....	..	4	2	..	4	3	....	1	4	2	....	6	1	..	..	1	..	1	1	..	..	2	1	..	1
57. Embolism and Thrombosis	3	1	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	..	1	..	..	..	2	..
60. Other Diseases of Circulatory System	2	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	1	1	....	2	..	....	....	2	....	..	..	..	..	..	1	..	..	..	..	..	1
IV.—Diseases of Respiratory System.																																						
Group Total	62	11	4	..	2	..	..	..	1	3	5	1	7	13	5	9	1	29	33	....	41	17	4	27	31	4	11	4	10	7	1	5	2	3	3	4	4	5
61. Diseases of Larynx	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
62. Diseases of the Thyroid Body	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
64. Chronic Bronchitis	13	1	..	..	..	..	..	..	..	....	..	..	1	6	2	3	..	5	8	....	4	8	1	1	12	....	1	1	1	1	..	1	1	1	1	1	1	3
65. Broncho-pneumonia	5	2	..	..	..	..	..	..	..	....	..	1	....	..	..	2	..	....	5	....	4	....	1	2	3	....	3	..	..	..	..	..	..	..	..	1	1	..
66. Pneumonia	32	6	4	..	..	..	..	..	..	3	2	..	5	5	2	4	1	17	15	....	25	6	1	18	12	2	4	3	8	4	2	4	..	1	2	2	1	1
67. Pleurisy	3	....	..	..	1	..	..	..	..	....	..	2	....	..	..	..	..	1	2	....	3	....	....	3	....	....	2	..	..	..	..	..	..	..	..	..	..	1
68. Congestion of Lungs	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	1	....	1	..	..	..	..	2	..	..	..	..	..	..	..
70. Asthma and Emphysema	4	....	..	..	..	..	..	..	1	....	..	..	....	2	1	..	..	3	1	....	2	1	1	1	2	1	1	..	..	..	1	..	..	1	..	..	1	..
71. Hemorrhage of Lungs	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	71	30	4	2	..	..	1	2	..	1	1	5	11	8	5	1	..	42	29	....	63	5	3	45	23	3	5	3	4	5	3	1	4	20	11	6	7	2
75. Other Diseases of Pharynx	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
76. Ulcer of Stomach	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
77. Gastritis	3	....	..	1	..	..	..	..	..	....	..	..	1	1	..	..	..	2	1	....	2	....	1	1	1	1	..	..	1	..	..	..	..	..	1	..	..	..
78. Other Diseases of Stomach	5	4	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	4	1	....	4	1	....	5	....	....	..	..	1	..	..	..	..	..	1	2	..	1
79. Dentition	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	25	21	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	12	13	....	25	....	....	25	....	....	..	1	1	..	..	..	..	..	1	16	6	..
81. Diarrhœa and Enteritis (2 years and over)	2	....	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	....	2	....	2	....	....	....	2	....	..	..	..	1	..	..	..	..	..	1	..	..
82. Hernia	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	2	..
83. Obstruction of Intestines	4	1	..	..	..	..	..	..	..	....	..	..	2	..	1	..	..	3	1	....	2	1	1	1	2	1	1	..	..	..	1	..	..	1	..	..	..	1
84. Other Diseases of Intestines	5	....	2	1	..	..	..	..	..	1	..	..	....	1	..	..	..	4	1	....	5	....	....	4	1	....	..	..	..	..	3	1	1	..	..	..	..	..
87. Cirrhosis of Liver	7	....	..	..	..	..	..	..	..	....	1	1	2	2	1	..	..	6	1	....	6	....	1	2	4	1	2	..	..	..	..	..	..	2	1	1	1	..
89. Other Diseases of Liver	5	1	..	..	..	..	..	..	..	....	..	..	2	1	..	1	..	1	4	....	5	....	....	1	4	....	..	..	..	..	..	1	..	1	..	1	2	..
90. Diseases of Spleen	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
91. Peritonitis, Non-puerperal	4	....	..	..	..	..	1	1	..	....	..	1	....	..	1	..	..	4	....	....	3	1	....	3	1	....	1	1	1	..	..	..	1	..	..	..	..	..
92. Appendicitis	5	....	..	..	..	..	1	..	..	....	..	2	1	1	..	..	..	1	1	....	4	1	....	1	4	....	..	1	..	..	..	1	..	1	..	2	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	34	1	..	..	..	..	1	1	..	1	4	3	3	8	7	5	..	19	15	....	23	9	2	11	22	1	5	1	6	3	1	3	4	2	4	..	2	3
94. Acute Nephritis	2	1	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	2	....	....	2	....	....	1	1	....	..	..	1	..	..	1	..	..	..	..	..	..
95. Bright's Disease	23	....	..	..	..	1	1	..	1	1	2	3	5	6	3	..	..	13	10	....	17	4	2	7	15	1	5	..	3	2	1	..	3	1	3	..	2	3
96. Other Diseases of Kidneys	3	....	..	..	..	..	..	..	..	....	1	..	....	..	2	..	..	2	1	....	1	2	....	1	2	....	..	..	2	..	..	..	..	..	1	..	..	..
98. Diseases of Bladder	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	....	2	....	1	1	....	1	1	....	..	..	..	..	..	..	1	1	..	..	..	..

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CAUSES OF DEATH BY COUNTIES—IN GREY, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	770	166	20	5	6	5	9	13	16	44	45	45	64	73	127	127	5	413	355	2	493	267	10	325	424	21	74	63	78	54	80	69	61	73	50	68	47	53
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	54	15	5	1	3	1	5	2	3	2	3	3	3	2	4	2	..	32	22	....	44	10	....	36	18	....	2	3	4	7	4	1	4	9	9	8	2	1
1. Typhoid Fever	7	....	..	..	..	..	..	1	1	1	..	2	....	1	1	..	..	7	....	....	5	2	....	1	6	....	..	..	..	..	..	..	1	3	..	3	..	..
4. Measles	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	1	1	..	..	..	..	..	..	..
6. Whooping Cough	6	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	1	....	6	....	....	6	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	15	2	1	..	3	..	4	1	2	....	2	..	..	..	..	..	..	8	7	....	14	1	....	14	1	....	1	..	..	2	2	2	..	3	1	1	3	..	..
8. Influenza	5	....	..	..	..	..	..	..	..	1	1	..	1	..	1	1	..	2	3	....	2	3	....	....	5	....	..	2	..	2	2	2	..	1	..	..	2	..	..
9. Dysentery	13	5	2	1	..	1	..	..	..	..	1	..	....	1	1	1	..	6	7	....	11	2	....	9	4	....	..	..	..	2	1	..	..	3	5	..	2	..	..
10. Erysipelas	4	....	1	..	..	..	..	..	..	..	..	..	2	..	1	..	..	3	1	....	2	2	....	2	2	....	..	1	2	..	..	..	..	..	..	..	..	..	1
11. Other Epidemic Diseases	2	1	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	1	..	..	..	..	..	..	1	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	108	....	..	..	..	2	1	..	6	15	18	12	12	18	16	8	..	43	65	....	77	31	....	33	73	2	8	6	9	9	15	16	9	10	9	8	..	9
13. Tuberculosis of Lungs	39	....	..	..	..	1	1	..	4	11	10	5	3	3	1	..	..	15	24	....	34	5	....	20	19	....	1	2	4	5	4	9	5	4	1	3	..	1
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
20. Tuberculosis of other organs	3	....	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	....	2	....	1	1	....	2	....	....	..	..	..	1	..	..	..	..	..	..	..	1
21. General Tuberculosis	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	11	....	..	..	..	..	..	..	..	....	2	..	1	5	4	2	..	4	10	....	8	6	....	3	10	1	2	..	..	..	1	1	..	3	3	2	..	2
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	....	2	....	1	1	....	....	2	....	1	..	..	..	..	..	..	..	1	..	..	..	..
27. Cancer of Genital Organs	3	....	..	..	..	..	..	..	..	....	..	2	....	..	..	..	..	1	1	....	2	....	....	....	2	....	..	..	..	..	..	1	1	..	..	..	..	..
28. Cancer of Breast	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	....	2	....	1	1	....	....	1	1	..	..	..	..	..	1	..	1	..	..	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
30. Cancer of other unspecified organs	10	....	..	..	..	..	..	..	..	1	1	1	2	4	2	4	..	9	7	....	10	6	...	2	11	....	2	1	..	..	3	2	1	1	3	3	..	..
31. Tumors	2	....	..	..	..	..	..	..	..	....	..	1	....	1	..	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	1
32. Rheumatism	4	....	..	..	..	1	..	..	..	1	..	..	....	..	1	1	..	1	3	....	2	2	....	2	2	....	..	1	..	..	1	..	..	1	..	..	..	..	1
33. Diabetes	7	....	..	..	..	..	..	1	..	....	..	2	1	..	3	..	..	3	4	....	5	2	....	1	6	....	1	1	1	2	..	1	1	..	..	..	..	..	..
34. Anæmia, Leukæmia	11	....	..	..	..	..	..	1	....	3	..	3	1	2	1	..	..	5	6	....	8	3	....	1	10	....	1	..	1	1	3	2	..	..	..	..	..	..	3
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..	..
37. Other General Diseases	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	1	1	....	1	1	....	1	1	....	..	1	..	..	..	..	..	1	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	74	14	4	..	1	....	2	2	4	2	6	12	10	10	7	..	42	32	....	50	23	1	28	42	4	5	8	8	6	7	11	5	5	6	5	4	4
39. Meningitis	10	4	2	..	1	....	1	..	2	....	....	....	....	....	....	....	..	5	5	....	10	....	....	10	....	....	..	1	1	1	..	5	1	..	1	..	..	..

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GREY.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	8	..	..	..	..	..	..	..	..	2	4	2	..	..	..	..	..	..	8	..	6	2	..	..	8	..	1	..	..	1	..	..	1	2	..	1	2	..
106. Puerperal Septicæmia	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..
107. Puerperal Convulsions	3	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	3	..	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	1	2	..
108. Other causes incident to Childbirth	4	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	4	..	3	1	..	..	4	..	1	..	..	1	..	..	1	1	..	..	..	..
VIII.—Diseases of Skin.																																					
Group Total	4	..	..	..	..	..	..	..	..	..	..	..	..	1	..	3	..	4	..	..	..	4	..	..	4	..	..	1	..	1	..	1	..	1	..	..	..	..
109. Gangrene	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..	..	..	3	..	..	3	..	..	1	..	1	..	..	1	..	..	..	..	..
111. Abscess	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
X.—Malformations.																																					
Group Total	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
116. Congenital Malformations (Still-births excluded)	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																					
Group Total	43	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	21	..	43	..	..	43	..	..	7	4	6	3	2	2	8	4	1	..	3	3
117. Premature Birth	15	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	10	..	15	..	..	15	..	..	4	..	1	1	1	..	7	1	..	..	..	..
118. Congenital Debility	28	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	11	..	28	..	..	28	..	..	3	4	5	2	1	2	1	3	1	..	3	3
119. XII.—Old Age.																																					
Group Total	84	..	..	..	..	..	..	..	..	..	..	..	..	4	21	59	..	46	38	..	11	71	2	3	77	4	12	9	5	5	11	6	4	4	6	6	6	10
XIII.—Violence and other External Causes.																																					
Group Total	35	5	..	1	1	1	..	3	1	7	2	1	6	1	4	2	..	21	14	..	21	13	1	21	13	1	5	1	..	..	8	3	4	3	2	7	..	2
121. Fractures and Dislocations	3	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	..	2	1	..	3	..	..	2	1	..	1	..	..	..	..	..	1	1	..	..	..	..
122. Burns and Scalds	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	2	..	..	2	..	..	..	2	..	..	..	..	..	2	..	..	..	..	..	..	..
124. Drowning	4	..	..	..	..	..	2	1	..	..	..	..	..	..	1	..	..	4	..	..	3	1	..	4	..	..	..	..	..	..	..	1	1	2	..	..	..	..
126. Other Accidental Poisonings	3	..	..	1	..	..	..	..	..	..	..	..	2	..	..	..	..	..	3	..	1	2	..	1	2	..	..	..	..	..	..	..	1	..	..	1	..	1
127. Other Accidental Traumatisms	16	1	..	..	1	..	1	..	..	4	1	1	2	1	2	2	..	10	6	..	8	7	1	8	7	1	3	1	..	..	3	2	1	..	2	4	..	..
128. Injuries at Birth	4	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	4	..	..	4	..	..	1	..	..	..	..	..	..	..	..	2	..	1
129. Homicide	3	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..	3	..	..	3	..	2	1	..	..	..	..	..	3	..	..	..	..	..	..	..
XIV.—Ill-defined Diseases.																																					
Group Total	54	7	..	1	..	..	..	1	..	2	2	4	1	5	15	12	4	28	26	..	20	31	3	16	36	2	7	5	5	1	3	5	6	2	4	5	6	5
130. Dropsy	5	..	..	..	..	..	..	..	..	1	..	..	..	..	3	1	..	3	2	..	1	4	..	1	4	..	2	..	1	..	..	..	..	..	..	1	1	..
131. Heart Failure	26	..	..	..	..	..	..	..	..	..	..	4	..	5	9	8	..	15	11	..	6	19	1	4	22	..	3	4	2	..	3	4	3	1	1	..	4
132. Other ill-defined causes	12	4	..	..	..	..	..	1	..	..	..	..	..	..	1	2	4	5	7	..	7	4	1	6	5	1	2	1	1	1	..	..	2	1	1	..	2	1
133. Unknown causes	11	3	..	1	..	..	..	..	..	1	2	..	1	..	2	1	..	5	6	..	6	4	1	5	5	1	..	..	1	..	..	1	1	..	2	3	3	..
134. XV.—Still Births.																																					
Group Total	45	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19	21	2	45	..	..	45	..	..	7	3	6	1	2	3	5	6	3	4	2	3

CAUSES OF DEATH BY COUNTIES—IN HALDIMAND, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	211	39	4	3	3	1	5	2	5	10	16	11	19	24	34	30	5	106	105	.....	157	50	4	85	124	2	29	26	19	19	18	28	7	14	22	11	7	11
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	11	....	....	....	3	....	....	1	..	2	1	..	1	1	1	1	..	5	6	....	8	3	....	6	5	....	3	1	1	..	1	....	....	1	3	1	..	..
1. Typhoid Fever	4	....	....	....	....	....	....	1	..	1	....	..	1	1	....	....	..	1	3	....	4	....	....	1	3	....	1	....	....	....	....	....	....	....	....	2	1	....	....
5. Scarlet Fever	2	....	....	....	1	....	....	....	....	....	1	..	....	....	....	....	..	1	1	....	1	1	....	1	1	....	1	..	1	....	....	....	....	....	....	....	....	....	....
7. Diphtheria and Croup	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	..	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
8. Influenza	3	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	..	1	1	....	1	1	....	2	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....
9. Dysentery	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	..	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
10. Erysipelas	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	..	....	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
(B.—Other General Diseases.)																																						
Group Total	37	....	..	1	....	..	1	..	1	3	3	5	9	7	6	1	..	16	21	....	27	10	....	11	24	2	5	5	3	4	3	7	1	3	1	2	2	1
13. Tuberculosis of Lungs	12	....	....	....	....	....	....	....	1	3	1	1	4	1	..	1	..	5	7	....	10	2	....	6	5	1	2	1	1	1	..	2	1	1	..	1	1	1
15. Tuberculous Meningitis	1	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	..	....	1	..	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	3	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	..	1	2	....	2	1	....	....	3	....	..	1	....	....	....	1	....	1	....	....	....	....	....
26. Cancer of Intestines	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	..	....	1	....	1	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....
27. Cancer of Genital Organs	2	....	....	....	....	....	....	....	....	....	....	....	....	..	2	....	..	1	1	....	....	2	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	7	....	....	....	....	....	....	....	....	....	....	2	2	2	1	....	..	2	5	....	4	3	....	2	5	....	1	1	..	2	2	..	..	..	..	1	..	..	..
32. Rheumatism	4	....	....	....	....	....	1	....	....	....	....	....	....	2	1	....	..	3	1	....	3	1	....	1	3	....	..	2	1	....	....	....	....	1	....	....	....	....	....
33. Diabetes	4	....	....	....	....	....	....	....	....	....	....	2	1	....	1	....	..	2	2	....	3	1	....	1	3	....	..	..	..	..	..	2	..	..	..	..	..	..	..
34. Anæmia. Leukæmia	2	....	....	....	....	....	....	....	....	....	1	..	1	..	....	....	..	1	1	....	2	....	....	1	1	....	..	..	..	..	1	1	..	..	1	..	..	1	..
37. Other General Diseases	1	....	....	....	....	....	....	....	....	....	1	..	....	....	....	....	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	1	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	26	2	2	....	....	....	....	....	1	1	..	1	1	8	4	5	1	15	11	....	21	4	1	9	17	....	3	2	4	4	2	4	2	3	..	..	1	1
39. Meningitis	3	....	....	....	....	....	....	....	1	....	..	1	....	..	1	..	..	1	2	....	2	1	....	2	1	....	..	..	1	1	..	1	..	..	..	..	..	..	..
40. Locomotor Ataxia	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	11	....	1	....	....	....	....	....	....	....	1	5	1	2	1	....	..	7	4	....	10	1	....	2	9	....	1	1	1	1	2	2	1	2	..	..	..	..
43. Softening of Brain	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..
44. Paralysis	7	....	....	....	....	....	....	....	....	1	....	....	....	3	1	3	..	3	4	....	4	2	1	2	5	....	1	..	1	2	..	..	..	1	..	..	1	..	..
49. Convulsions	3	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	..	2	1	....	3	....	....	3	....	....	1	1	1	..	..	..	..	..	..	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
III.—Diseases of Circulatory System.																																						
Group Total	19	....	..	..	..	..	..	..	..	....	2	3	1	2	7	1	3	9	10	....	11	6	2	3	16	....	3	1	..	1	2	1	2	1	3	3	..	2
54. Heart Disease	17	....	..	..	..	..	..	..	..	....	2	3	1	2	6	1	2	8	9	....	10	6	1	3	14	....	3	1	..	1	1	1	2	1	3	2	..	2
56. Diseases of Arteries	2	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	1	1	1	....	....	....	1	....	2	....	..	..	..	..	1	..	..	..	..	1	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	21	5	..	..	..	..	..	..	2	....	3	..	4	1	1	2	..	9	12	....	16	5	....	9	12	....	3	6	2	1	1	1	....	..	3	1	..	..
63. Acute Bronchitis	1	3	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	3	....	4	....	....	3	1	....	..	1	..	..	1	..	..	..	2	..	..	..
64. Chronic Bronchitis	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	..	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
65. Broncho-pneumonia	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	....	..	..	..	..	..
66. Pneumonia	12	2	..	..	..	..	..	..	2	....	3	..	2	..	2	1	..	6	6	....	9	3	....	6	6	....	3	2	1	1	..	3	....	1	1	..	..
67. Pleurisy	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	1	1	....	....	2	....	..	2	..	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	19	8	2	2	..	..	1	..	1	1	2	..	....	..	1	1	..	13	6	....	19	....	....	15	4	....	2	1	2	1	..	1	1	..	7	1	1	2
73. Diseases of Mouth	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
78. Other Diseases of Stomach	3	2	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	3	....	....	3	....	....	3	....	....	1	..	1	..	..	..	..	..	..	..	..	1
79. Dentition	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	6	4	2	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	2	....	6	....	....	6	....	....	..	..	..	..	..	..	1	..	1	1	..	..
81. Diarrhœa and Enteritis (2 years and over)	3	....	..	2	..	..	..	..	1	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	..	..	..	..	..	..	..	..	1	..	..	1
83. Obstruction of Intestines	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
91. Peritonitis, Non-puerperal	3	....	..	..	..	..	..	..	..	....	2	..	....	..	1	..	..	3	....	....	3	....	....	1	2	....	..	1	..	1	..	1	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	10	....	..	..	..	..	..	..	..	....	1	..	1	3	1	3	1	8	2	....	4	5	1	1	9	....	1	3	..	1	1	1	....	2	1	..	..
95. Bright's Disease	5	....	..	..	..	..	..	..	..	....	..	..	1	2	1	..	1	4	1	....	3	2	....	1	1	....	1	..	..	1	..	1	....	2	..	..	..
96. Other Diseases of Kidneys	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
98. Diseases of Bladder	3	....	..	..	..	..	..	..	..	....	1	..	....	..	..	2	..	3	....	....	....	2	1	....	3	....	..	2	..	..	..	..	..	..	..	1	..	..
99. Diseases of Male Genitial Organs (Non-venereal)	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	3	....	..	..	..	..	..	..	..	1	1	1	....	..	..	..	..	....	3	....	3	....	....	....	3	....	1	1	..	..	1	..	..	..	..	..	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	....	2	....	2	....	....	....	2	....	..	1	..	..	1	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	3	....	..	..	..	..	..	..	..	....	..	..	....	2	..	1	..	1	2	....	3	....	....	....	3	....	..	..	2	..	1	..	..	..	..	..	..	..
109. Gangrene	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
111. Abscess	2	....	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	1	1	....	2	....	....	....	2	....	..	..	1	..	1	..	..	..	..	..	..	..

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CAUSES OF DEATH BY COUNTIES—IN HALIBURTON, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	78	25	1	1	3	..	3	1	1	4	3	8	6	5	9	6	2	50	27	1	62	11	5	44	30	4	5	9	4	10	6	5	7	4	4	7	4	13
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	3	..	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	2	1	..	3	..	..	3	..	..	..	3	..	..	..	..	..	..	..	..	..
1. Typhoid Fever	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
8. Influenza	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	6	..	..	..	..	..	1	..	..	1	1	1	1	1	..	..	..	3	3	..	4	2	..	1	4	1	..	1	..	1	..	..	..	..	2	1	1	..
13. Tuberculosis of Lungs	3	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	2	1	..	3	..	..	..	3	..	..	1	..	..	..	..	..	..	1	1	..	..
15. Tuberculous Meningitis	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
30. Cancer of other unspecified organs	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..
II.—Diseases of Nervous System.																																						
Group Total	5	1	1	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	5	..	..	4	1	..	2	3	..	1	..	1	..	..	2	..	..	..	..	..	1
39. Meningitis	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2	..	..	2	..	..	..	..	..	..	..	2	..	..	..	..	..	..
42. Apoplexy	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	2	..	..	1	1	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	1
44. Paralysis	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	5	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	3	..	4	1	..	2	2	1	1	3	1	..	..	..	2	..	..	1	..	..	..	1	1
54. Heart Disease	4	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	..	3	1	..	2	1	1	1	2	1	..	..	..	2	..	..	..	..	..	..	1	1
55. Angina Pectoris	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	7	1	..	..	1	..	..	..	..	..	2	..	..	2	..	..	1	4	3	..	5	..	2	2	4	1	..	1	..	1	1	..	1	..	..	..	..	3
65. Broncho-pneumonia	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
66. Pneumonia	4	..	..	..	1	..	..	..	..	..	..	2	..	..	..	..	1	2	2	..	3	..	1	..	2	1	..	..	..	..	1	1	..	..	..	..	..	..	2
67. Pleurisy	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	1	..	..	2	..	..	1	..	..	..	1	..	..	..	..	..	..

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CAUSES OF DEATH BY COUNTIES—IN HALTON, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	258	59	3	4	2	2	9	4	1	7	19	20	20	21	41	43	3	145	113	.....	184	62	12	108	128	22	28	29	29	23	27	20	23	14	12	16	22	15
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	16	1	1	..	..	..	5	1	..	....	3	1	1	..	1	2	..	8	8	....	14	2	....	9	7	....	2	5	2	..	1	3	..	1	..	..	2	..
1. Typhoid Fever	3	....	..	..	..	..	..	1	..	....	1	..	1	..	..	..	..	2	1	....	2	1	....	2	1	....	..	1	..	..	..	..	..	1	..	1	..	..
5. Scarlet Fever	1	....	1	..	..	..	..	..	..	....	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	6	....	..	..	..	..	5	..	..	....	1	..	..	..	..	..	..	3	3	....	5	1	....	5	1	....	..	1	1	..	1	2	..	..	..	1	..	..
8. Influenza	5	1	..	..	..	..	..	..	..	....	1	..	..	..	1	2	..	2	3	....	5	..	....	1	4	....	2	1	1	..	..	1	..	..	..	..	..	..
9. Dysentery	1	....	..	..	..	..	..	..	..	....	..	1	..	..	..	..	..	....	1	....	1	..	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	41	....	..	..	..	2	1	2	..	2	8	6	7	5	4	3	1	24	17	....	32	7	2	12	26	3	4	6	6	1	6	1	2	4	4	1	3	3
12. Septicæmia	1	....	..	..	..	..	..	1	..	....	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	12	....	..	..	..	..	1	1	..	2	2	4	1	..	1	..	..	3	9	....	9	1	2	6	5	1	..	2	2	1	1	1	..	..	1	..	1	1
14. Tuberculosis of Larynx	2	....	..	..	..	..	..	..	..	....	2	..	..	..	..	..	..	2	..	....	1	1	....	1	1	....	..	..	..	..	..	..	..	1	1	..	..	..
25. Cancer of Stomach and Liver	6	....	..	..	..	..	..	..	..	....	..	..	1	2	2	1	..	5	1	....	4	2	....	....	5	1	1	2	..	..	2	..	..	..	..	..	..	..
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	....	..	..	..	1	..	1	..	1	1	....	1	1	....	....	2	....	1	1	..	..	..	..	..	..	..	..	..	..
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	....	2	....	2	....	....	....	2	....	..	..	..	..	2	..	..	..	..	..	..	1
30. Cancer of other unspecified organs	3	....	..	..	..	..	..	..	..	....	..	..	2	1	..	..	..	2	1	....	3	....	....	1	2	....	..	2	..	..	..	..	..	..	..	..	..	..
31. Tumors	1	....	..	..	..	1	..	..	..	....	..	..	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	1	1	..	..
32. Rheumatism	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	2	..	....	1	1	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	....	1	..	..	..	..	1	..	1	1	....	2	....	....	2	....	....	..	..	..	1	..	..	..	1	..	..	..	..
34. Anæmia. Leukæmia	3	....	..	..	..	..	..	..	..	....	1	1	..	..	..	1	..	3	....	....	3	....	....	3	....	....	..	..	..	1	..	..	..	..	..	..	..	..
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	1	1	..	..	..	..	..	2	....	....	1	1	....	....	1	1	..	..	..	..	..	1	..	..	..	..	1	..
37. Other General Diseases	3	....	..	..	..	1	..	..	..	....	1	..	....	1	..	..	..	1	2	....	3	....	....	2	1	....	1	..	..	..	1	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	28	2	1	2	..	..	..	..	..	....	1	2	4	2	5	8	1	17	11	....	14	10	4	8	15	5	1	4	7	..	6	3	..	..	1	2	4	..
39. Meningitis	3	1	1	1	..	..	..	..	..	....	..	..	..	..	..	..	..	1	2	....	3	....	....	3	....	....	..	1	..	..	1	..	..	..	..	..	1	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	..	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
42. Apoplexy	15	....	..	..	..	..	..	..	..	....	..	1	2	2	3	7	..	11	4	....	6	6	3	1	10	4	..	2	4	..	4	1	..	..	1	2	1	..
44. Paralysis	2	....	..	..	..	..	..	..	..	....	1	..	..	..	..	1	..	2	..	....	....	2	....	1	1	....	..	..	2	..	..	..	..	..	..	..	..	..
48. Epilepsy	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	..	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
49. Convulsions	2	1	..	1	..	..	..	..	..	....	..	..	..	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	1	..	..	1	..	..	..	..	..
50. Tetanus	1	....	..	..	..	..	..	..	..	....	..	1	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
51. Other Diseases of Nervous System	3	....	..	..	..	..	..	..	..	....	..	..	..	..	2	1	..	1	2	....	1	1	1	1	1	1	1	1	..	..	..	..	..	..	..	..	..	..

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HALTON.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XI.—Early Infancy.																																						
Group Total	27	27	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	10	....	27	....	....	27	....	....	2	..	2	3	2	4	3	1	3	3	1	3
117. Premature Birth	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	2	....	8	....	....	8	....	....	..	..	1	..	..	2	2	1	1	..	..	1
118. Congenital Debility	19	19	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	11	8	....	19	....	....	19	....	....	2	..	1	3	2	2	1	..	2	3	1	2
119. XII.—Old Age.																																						
Group Total	21	....	..	..	..	..	..	..	..	....	..	..	....	1	7	13	..	9	12	....	9	12	....	3	17	1	4	1	1	..	1	2	6	1	1	1	2	1
XIII.—Violence and Other External Causes.																																						
Group Total	18	1	..	..	..	..	1	1	1	2	2	4	....	1	3	1	1	14	4	....	11	4	3	8	7	3	4	1	2	1	3	1	1	..	2	..	2	1
121. Fractures and Dislocations	2	....	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	1	1	....	1	1	. ..	1	1	....	1	..	..	..	..	..	..	..	..	..	1	..
123. Physical Phenomena	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	2	....	....	2	....	....	....	1	1	..	..	..	..	..	1	..	..	..	1	..	..
126. Other Accidental Poisonings	2	....	..	..	..	..	..	..	1	....	..	..	....	..	1	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	1	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	11	....	..	..	..	..	1	1	..	1	1	3	....	1	1	1	1	9	2	....	6	2	3	5	4	2	2	1	2	1	1	..	1	..	1	..	1	1
128. Injuries at Birth	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
XIV.—Ill-defined Diseases.																																						
Group Total	12	5	1	..	..	..	..	..	..	....	..	..	1	1	1	3	..	3	9	....	11	1	....	6	5	1	2	2	..	1	..	1	1	1	1	1	2	..
131. Heart Failure	4	....	..	..	..	..	..	..	..	....	..	..	1	1	1	1	..	1	3	....	4	....	....	....	4	....	1	1	..	1	..	..	1	..	..	..	..	..
132. Other ill-defined causes	7	5	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	2	5	....	6	1	....	5	1	1	1	1	..	.	..	1	..	1	1	1	1	..
133. Unknown causes	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
134. XV.—Still Births.																																						
Group Total	10	10	..	..	..	..	..	..	..	...	..	..	....	..	..	..	..	8	2	....	10	....	....	10	....	....	..	2	..	1	2	1	..	1	..	1	..	2

CAUSES OF DEATH BY COUNTIES—IN HASTINGS, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	771	180		15	11	7	4	8	13	21	35	47	57	54	80	118	107	14	431	330	.....	591	164	16	337	390	44	62	64	65	71	64	53	65	55	91	59	48	74
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	41	9	6	1	..	1	5	1	3	5	2	3	2	..	1	1	1	21	20	....	34	7	....	35	5	1	4	5	2	2	5	1	2	1	2	8	6	3
1. Typhoid Fever	12	....	..	..	..	..	1	..	..	2	5	..	2	2	..	..	..	..	10	2	....	8	4	....	8	3	1	..	1	..	..	..	..	1	1	1	3	3	2
4. Measles	1	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	2	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	2	....	1	1	....	2	....	....	..	..	..	..	..	..	..	..	..	1	..	..
6. Whooping Cough	11	9	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	6	....	10	1	....	11	..	....	1	2	1	1	2	..	..	..	..	..	2	..
7. Diphtheria and Croup	8	....	2	..	..	..	3	1	1	..	..	..	..	..	1	..	..	..	4	4	....	8	....	....	8	....	....	2	..	..	..	1	1	1	..	1	1	..	1
8. Influenza	6	....	2	1	..	..	1	..	..	..	1	..	..	..	..	1	..	..	2	4	....	5	1	....	5	1	....	1	2	1	1	1	..	..	..	..	..	..	..
9. Dysentery	1	....	..	..	..	..	..	..	..	..	....	1	..	..	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
(B.—Other General Diseases.)																																							
Group Total	117	....	1	1	2	1	1	2	7	10	16	20	18	20	12	5	1	55	62	....	98	17	2	37	72	8	5	10	11	18	9	9	13	10	12	6	2	12
12. Septicæmia	1	....	..	..	..	..	..	..	..	1	....	..	..	..	..	..	..	..	1	....	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	49	....	1	..	1	..	..	1	5	7	12	11	5	2	2	2	..	..	21	28	....	46	3	....	23	23	3	3	1	2	10	5	6	5	6	5	1	1	4
15. Tuberculous Meningitis	2	....	..	1	..	..	..	1	..	..	....	..	..	..	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	1	..	..	1
20. Tuberculosis of other organs	2	....	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	12	....	..	..	..	..	..	..	..	..	....	..	..	3	5	3	1	..	7	5	....	8	3	1	....	11	1	..	1	..	3	..	1	2	..	2	1	..	2
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	..	....	..	..	..	1	..	1	..	....	2	....	....	1	1	....	2	....	....	..	..	..	..	1	..	..	..	..	1	..
27. Cancer of Genital Organs	7	....	..	..	..	..	..	..	..	..	....	..	1	3	..	..	..	..	....	7	....	....	....	....	1	6	....	..	..	2	..	1	1	..	1	1	1	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	16	....	..	..	..	..	..	..	..	..	1	1	5	3	1	2	..	..	11	5	....	11	5	....	3	11	2	..	2	3	2	1	..	3	1	1	1	..	2
31. Tumors	2	....	..	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	....	2	....	2	....	....	2	....	....	..	1	..	..	..	..	..	..	..	..	..	1
32. Rheumatism	7	....	..	..	1	..	1	..	1	1	2	..	..	1	..	..	..	..	4	3	....	6	1	....	1	3	3	1	2	2	..	..	..	1	..	..	..	1	..
33. Diabetes	1	....	..	..	..	..	..	..	..	1	....	..	..	1	2	..	..	..	2	2	....	4	....	....	....	1	....	..	..	..	1	1	1	1	..	..	..	..	..
34. Anæmia, Leukæmia	10	....	..	..	..	1	..	..	..	..	....	..	2	....	7	..	..	..	6	4	....	8	2	....	1	7	2	..	1	2	1	..	..	1	2	..	1	..	2
35. Alcoholism	2	....	..	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	2	....	....	1	1	....	1	1	....	..	..	..	..	1	..	..	..	..	1	..	..
II.—Diseases of Nervous System.																																							
Group Total	73	2	5	1	1	..	1	1	3	1	3	9	10	12	16	8	..	..	39	34	....	56	16	1	18	49	6	6	6	6	8	9	5	7	5	3	5	6	7
38. Encephalitis	3	....	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	2	1	....	2	1	....	....	2	1	..	1	1	..	1	..	..	..	..	..	..	..
39. Meningitis	7	1	2	..	..	..	..	..	..	1	....	1	1	1	..	..	..	..	1	3	....	7	....	....	1	3	3	..	1	1	..	2	..	..	1	..	1	..	1
41. Other Diseases of Spinal Cord	3	....	..	..	..	..	..	..	..	..	....	..	2	....	1	..	..	..	2	1	....	3	....	....	....	3	....	..	..	..	..	1	..	1	..	..	1	..	..
42. Apoplexy	25	....	..	..	..	..	..	1	..	..	....	1	1	3	7	8	4	..	12	13	....	16	9	....	1	19	2	5	1	3	1	2	1	1	2	3	1	1
43. Softening of Brain	1	....	..	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

HASTINGS.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
44. Paralysis	22	....	..	1	..	..	1	..	..	....	1	2	5	3	6	3	..	12	10	....	16	5	1	3	16	3	1	2	1	4	2	3	2	3	..	..	4	..
46. Other forms of Mental Disease	3	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	..	1	1	..	..	..	..	..
48. Epilepsy	1	..	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	..	1	....	1	....	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..
49. Convulsions	5	1	3	..	1	..	..	..	..	....	..	..	....	..	..	..	..	..	..	....	..	....	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	1
51. Other Diseases of Nervous System	4	....	..	..	..	..	..	2	..	....	..	2	....	..	..	..	..	2	2	....	4	....	....	..	..	....	..	1	..	..	1	..	1	..	..	..	1	1
III.—Diseases of Circulatory System.																																					
Group Total	46	2	..	..	..	..	..	..	1	2	3	4	5	8	19	2	..	24	22	....	31	14	1	11	35	....	7	5	3	2	4	1	3	4	6	1	1	6
53. Endocarditis	3	....	..	..	..	..	..	..	..	2	..	..	....	..	1	..	..	2	1	....	2	1	....	2	1	....	1	..	..	..	..	1	..	..	1	..	..	..
54. Heart Disease	28	....	..	..	..	..	..	..	..	....	3	3	4	5	13	..	..	14	14	....	18	9	1	5	23	....	4	4	2	..	4	..	1	1	4	1	2	5
55. Angina Pectoris	1	....	..	..	..	..	..	..	..	....	1	....	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
56. Diseases of Arteries	9	....	..	..	..	..	..	..	..	....	..	..	....	3	4	2	..	5	4	....	6	3	....	....	9	....	2	..	1	..	..	2	1	..	..	2	1	..
57. Embolism and Thrombosis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	4	2	..	..	..	..	..	..	1	....	..	..	1	..	..	..	..	2	2	....	4	....	....	3	1	....	..	..	..	1	..	..	..	2	1	..	..	..
IV.—Diseases of Respiratory System.																																					
Group Total	71	16	2	1	3	1	1	1	1	2	3	2	3	7	19	7	2	42	29	....	63	7	1	31	40	....	10	10	11	12	6	3	..	..	7	2	1	6
61. Diseases of Larynx	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
63. Acute Bronchitis	6	4	..	1	..	..	..	..	..	....	..	..	....	..	1	..	..	3	3	....	5	1	....	5	1	....	..	..	..	1	3	1	..	..	..	..	..	1
64. Chronic Bronchitis	4	....	..	..	..	..	..	..	..	....	..	..	....	..	2	2	..	3	1	....	2	2	....	1	3	....	1	2	..	..	..	..	..	..	1	..	..	..
65. Broncho-pneumonia	5	2	..	..	1	..	..	..	1	....	..	..	....	1	..	..	..	2	3	....	4	....	1	1	3	....	..	..	1	1	..	..	..	..	..	..	..	..
66. Pneumonia	48	10	2	..	1	1	1	..	2	2	1	3	5	14	5	1	..	32	16	....	44	4	....	18	30	....	9	7	7	6	5	2	..	..	4	1	4	3
68. Congestion of Lungs	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	2	....	....	2	....	....	1	1	....	..	..	..	1	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	4	....	..	..	1	..	..	..	..	....	..	1	....	1	..	..	1	....	4	....	2	....	....	1	1	....	..	..	..	1	..	..	..	..	..	..	..	1
72. Other Diseases of Respiratory System (Phthisis excepted)	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																					
Group Total	73	13	..	1	..	1	..	4	1	1	3	1	4	6	4	1	..	44	29	....	66	7	....	55	17	1	4	3	6	..	9	4	3	11	17	8	6	2
75. Other Diseases of Pharynx	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
77. Gastritis	3	2	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	2	1	....	3	....	....	2	1	....	1	..	..	..	..	1	..	..	..	..	..	..
78. Other Diseases of Stomach	9	4	..	..	..	..	..	..	..	....	..	..	....	4	..	..	..	3	6	....	7	2	....	5	3	1	1	1	1	..	1	..	..	1	1	2	1	..
81. Diarrhœa and Enteritis (2 years and over)	28	28	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	21	7	....	28	....	....	28	....	....	1	1	..	..	1	2	3	6	10	3	..	1
81. Diarrhœa and Enteritis (2 years and over)	5	....	..	1	..	1	....	1	....	....	..	..	1	..	1	..	..	5	....	....	4	1	....	3	2	....	..	..	..	..	..	..	..	1	2	2	..	..
83. Obstruction of Intestines	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
84. Other Diseases of Intestines	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	....	....	5	....	....	5	....	....	..	..	..	..	..	..	..	2	2	..	..	..
87. Cirrhosis of Liver	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	1	1	....	2	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
88. Biliary Calculi	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	2	....	....	....	2	....	..	..	..	..	..	1	..	..	..	..	1	..
89. Other Diseases of Liver	8	3	..	..	..	..	..	1	..	....	1	..	1	1	1	..	..	2	6	....	7	1	....	4	4	....	..	1	3	..	1	..	..	1	..	2	..	..
91. Peritonitis, Non-puerperal	5	....	..	..	..	..	..	1	1	1	..	..	1	..	..	1	..	2	3	....	3	2	....	2	3	....	..	..	..	..	1	1	..	1	1	..	..	..
92. Appendicitis	5	....	..	..	..	..	..	2	2	....	..	1	....	..	..	..	..	3	2	....	5	....	....	5	....	....	1	..	2	..	2	..	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																					
Group Total	26	1	..	..	..	..	..	..	..	2	4	3	1	6	7	2	..	16	10	....	20	5	1	5	21	....	3	1	2	3	1	4	2	1	2	2	3	2
94. Acute Nephritis	5	1	..	..	..	..	..	..	..	2	..	..	....	..	1	1	..	3	2	....	3	2	....	2	3	....	..	..	..	2	1	..	1	1	..	..	..	..
95. Bright's Disease	17	....	..	..	..	..	..	..	..	....	4	3	....	5	5	..	..	9	8	....	15	2	....	3	14	....	2	1	2	..	4	1	..	2	2	2	1

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CAUSES OF DEATH BY COUNTIES—IN HURON, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	705	109	11	6	1	7	8	9	15	51	31	56	66	67	144	120	2	362	341	.....	449	242	12	263	426	14	65	48	71	62	85	57	56	60	57	56	43	43
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	39	5	4	1	..	2	2	1	1	6	3	4	1	..	3	2	1	23	16	....	32	6	1	24	13	2	1	2	1	5	2	2	4	5	8	6	1	2
1. Typhoid Fever	13	....	1	1	....	....	....	1	1	4	2	2	1	....	....	....	....	7	6	....	11	1	1	8	3	2	....	....	....	....	1	4	2	2	2	1	1
4. Measles	3	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	3	....	....	3	....	....	3	....	....	....	....	....	....	....	1	....	....	....	....	....	....
5. Scarlet Fever	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....
6. Whooping Cough	7	4	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	4	3	....	7	....	....	7	....	....	....	1	....	1	....	....	....	1	2	1	....	1
7. Diphtheria and Croup	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
8. Influenza	4	....	....	....	....	....	....	....	....	....	....	1	....	....	2	1	....	....	3	1	....	1	3	....	....	4	....	....	1	1	1	1	....	....	....	....	....	....	....
9. Dysentery	8	....	1	2	....	....	....	....	....	1	....	1	....	....	1	1	1	....	3	5	....	6	2	....	3	5	....	....	....	....	....	....	....	1	4	2	....	....	....
11. Other Epidemic Diseases	2	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	2	....	....	2	....	....	1	1	....	....	....	....	....	....	....	1	....	1	....	....	....
(B.—Other General Diseases.)																																						
Group Total	141	3	2	....	....	....	1	..	6	28	14	22	24	9	25	7	..	60	81	....	107	32	2	49	88	4	15	2	18	12	18	12	11	12	12	11	9	9
12. Septicæmia	3	....	....	....	....	....	....	....	....	....	2	....	....	....	1	....	....	1	2	....	2	1	....	....	3	....	....	....	....	1	....	....	....	....	2	....	....	....
13. Tuberculosis of Lungs	52	2	....	....	....	....	....	....	3	16	10	10	8	1	2	....	....	24	28	....	51	1	....	26	24	2	6	1	8	5	6	5	4	3	2	3	3	6
14. Tuberculosis of Larynx	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....
15. Tuberculous Meningitis	4	1	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	1	3	....	4	....	....	3	1	....	....	....	....	....	1	1	....	....	....	2	....	....
16. Abdominal Tuberculosis	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
20. Tuberculosis of other organs	2	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	1	1	....	2	....	....	2	....	....	....	....	....	....	1	1	....	....	....	....	....	....
21. General Tuberculosis	2	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	1	1	....	2	....	....	2	....	....	....	....	....	....	....	....	1	....	....	....	1	....
23. Venereal Diseases	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....
25. Cancer of Stomach and Liver	15	....	....	....	....	....	....	....	....	....	....	2	....	3	4	5	1	....	3	12	....	8	7	....	....	15	....	1	....	2	1	5	1	1	2	....	1	1
26. Cancer of Intestines	2	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	1	1	....	2	....	....	....	2	....	....	....	....	....	....	....	1	....	....	....	1	....
27. Cancer of Genital Organs	2	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	2	....	....	2	....	....	1	1	....	1	....	1	....	....	....	....	....	....	....	....	....
28. Cancer of Breast	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....
29. Cancer of Skin	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....
30. Cancer of other unspecified organs	19	....	1	....	....	....	....	....	....	1	....	1	5	1	6	4	....	10	9	....	11	8	....	4	15	....	3	1	3	1	3	....	....	2	2	1	2	1
31. Tumors	4	....	....	....	....	....	....	....	....	....	1	1	1	....	1	....	....	....	4	....	....	2	2	....	1	3	....	1	....	....	1	....	1	....	....	1	....	....	....
32. Rheumatism	9	....	....	....	....	....	1	....	1	2	....	1	....	....	4	....	....	4	5	....	4	5	....	4	5	....	1	....	1	....	1	1	....	2	2	....	1	....
33. Diabetes	6	....	....	....	....	....	....	....	....	1	....	1	....	1	2	1	....	3	3	....	4	2	....	1	4	1	....	....	....	3	1	....	....	1	....	2	1	....
34. Anæmia, Leukæmia	11	....	....	....	....	....	....	....	....	1	....	2	....	3	2	3	1	7	4	....	6	4	1	2	9	....	1	....	....	....	1	2	3	2	1	....	....	1
35. Alcoholism	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
37. Other General Diseases	4	....	....	....	....	....	....	....	....	....	....	1	3	....	....	....	....	....	4	....	4	....	....	1	3	....	....	....	....	....	1	....	....	....	2	....	....	1	....

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HURON.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VI.—Diseases of Genito-Urinary System.																																						
Group Total	33	....	..	..	..	..	..	..	..	....	2	1	5	8	11	6	..	21	9	....	18	15	....	4	28	1	1	..	5	3	6	2	5	3	3	2	1	2
94. Acute Nephritis	2	....	..	..	..	..	..	..	..	....	..	..	..	..	2	..	..	1	1	....	....	2	....	....	2	....	..	..	1	..	..	..	..	..	1	..	..	..
95. Bright's Disease	17	....	..	..	..	..	..	..	..	....	1	1	4	2	6	3	..	10	7	....	9	8	....	3	13	1	..	..	3	2	2	2	2	1	2	2	..	1
96. Other Diseases of Kidneys	1	....	..	..	..	..	..	..	..	....	..	..	..	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
98. Diseases of Bladder	7	....	..	..	..	..	..	..	..	....	....	..	1	1	2	3	..	7	....	....	3	4	....	1	6	....	1	..	1	..	2	..	1	1	..	..	..	1
104. Diseases of Female Genital Organs (Non-venereal)	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
105. Other Diseases of the Genito-urinary System	5	....	..	..	..	..	..	..	..	....	..	..	....	4	1	..	..	5	....	....	4	1	....	....	5	....	..	..	..	..	1	..	2	1	..	..	1	..
VII.—The Puerperal State.																																						
Group Total	5	....	..	..	..	..	..	..	..	2	1	2	....	..	..	..	..	....	5	....	5	....	....	....	5	....	1	1	..	1	..	..	1	1	..	..	..	..
106. Puerperal Septicæmia	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
108. Other causes incident to Childbirth	3	....	..	..	..	..	..	..	..	2	..	1	....	..	..	..	..	....	3	....	3	....	....	....	3	....	1	1	..	1	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	7	1	..	..	..	..	..	..	..	2	..	..	1	..	2	1	..	3	4	....	4	3	....	3	4	..	3	1	..	2	..	..	..	..	..	..	..	1
109. Gangrene	2	..	..	..	..	..	..	..	..	....	..	..	1	..	..	1	..	2	....	....	1	1	....	....	2	....	1	..	..	..	..	..	..	..	..	..	..	1
111. Abscess	5	1	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..	1	4	....	3	2	....	3	2	....	2	1	..	2	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	42	42	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	23	19	....	42	....	....	42	....	....	4	6	1	1	7	1	1	3	3	8	2	2
117. Premature Birth	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	..	..	..	2	..	..	1
118. Congenital Debility	39	39	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	22	17	....	38	1	...	39	....	....	4	6	1	4	7	1	1	3	1	8	2	1
119. XII.—Old Age.																																						
Group Total	80	..	..	..	..	..	..	..	..	....	..	..	....	4	18	58	..	36	44	....	19	59	2	6	73	1	9	9	10	7	10	5	6	7	5	1	6	5
XIII.—Violence and Other External Causes.																																						
Group Total	31	1	1	..	1	..	..	3	1	8	4	3	4	4	..	1	..	21	10	....	21	9	1	16	15	....	2	1	..	1	3	3	4	6	4	1	5	1
120. Suicides	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	1	1	..	..	..
121. Fractures and Dislocations	3	....	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	3	....	....	2	1	....	1	2	....	..	..	..	..	..	..	1	..	1	..	1	..
123. Physical Phenomena	1	....	..	..	..	..	..	..	..	....	....	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
124. Drowning	6	1	..	..	..	..	..	1	1	1	..	..	1	1	..	..	..	5	1	....	5	1	....	3	3	....	1	..	..	..	..	1	1	2	1	..	..	..
126. Other Accidental Poisonings	4	....	1	..	..	..	..	..	..	3	..	..	....	..	..	..	..	..	4	....	2	1	1	3	1	....	1	..	..	..	..	..	..	1	2	..	..	..
127. Other Accidental Traumatisms	15	....	..	..	1	..	..	2	..	3	3	2	....	3	..	1	..	11	4	....	9	6	....	8	7	....	..	1	..	1	3	1	1	1	1	4	1
XIV.—Ill-defined Diseases.																																						
Group Total	58	5	1	....	1	..	..	2	1	..	6	7	5	16	14	..	..	27	31	....	32	25	1	17	40	1	8	5	6	4	3	4	10	7	2	4	1	4
130. Dropsy	4	....	..	..	..	..	..	..	..	....	..	..	1	1	..	2	..	1	3	....	4	....	....	....	3	1	1	..	2	..	..	..	..	..	..	1	..	..
131. Heart Failure	32	1	..	..	..	..	..	1	1	..	2	5	4	13	5	..	..	14	18	....	18	14	....	5	27	....	6	5	3	4	2	3	5	2	1	..	..	1
132. Other ill-defined causes	5	2	..	..	..	..	..	..	..	....	....	..	....	1	2	..	..	2	3	....	2	3	....	3	2	....	1	..	..	..	..	..	..	2	1	..	..	1
133. Unknown causes	17	2	1	..	..	1	..	..	1	....	..	4	1	..	2	5	..	10	7	....	8	8	1	9	8	....	..	..	1	..	1	1	3	4	1	3	1	2
134. XV.—Still-Births.																																						
Group Total	14	14	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	9	5	....	14	....	....	14	....	....	2	2	3	2	3	1	..	1	..	..	..	..

CAUSES OF DEATH BY COUNTIES—IN KENT, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	735	179		12	9	4	9	9	19	11	47	40	43	46	85	121	89	12	423	312	.....	544	167	24	331	380	24	77	76	69	65	76	57	49	55	86	46	27	52
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	46	9	1	2	3	2	2	..	1	....	3	3	7	2	5	6	..		24	22	....	38	6	2	25	20	1	3	12	5	6	3	..	2	1	1	4	3	3
1. Typhoid Fever	10	....	..	1	..	1	..	..	1	....	2	2	1	1	1	..	..		5	5	....	9	1	....	5	5	....	..	1	..	1	1	..	..	1	2	2	2	..
5. Scarlet Fever	4	2	..	1	..	..	1	..	..	....	..	..	..	..	..	..	..		2	2	....	4	..	....	4	..	....	..	..	..	..	1	..	..	..	..	..	1	..
6. Whooping Cough	7	4	1	..	2	..	..	..	..	....	..	..	..	..	..	..	..		2	5	....	7	..	....	7	..	....	2	..	1	2	..	..	1	..	..	1	..	..
7. Diphtheria and Croup	4	1	..	..	1	1	..	..	..	....	..	..	..	..	..	..	..		3	1	....	4	..	....	4	..	....	..	..	..	..	1	..	..	1	..	1	..	1
8. Influenza	18	1	..	..	..	..	..	..	..	....	1	..	5	1	4	6	..		10	8	....	12	5	1	3	15	....	1	11	3	2	1	..	..	..	..	..	..	..
10. Erysipelas	2	1	..	..	..	..	..	..	..	....	..	1	..	..	..	..	..		1	1	....	2	..	....	2	..	....	..	..	..	1	1	..	..	..	..	..	..	..
11. Other Epidemic Diseases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..		1	....	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
(B.—Other General Diseases.)																																							
Group Total	110	2	1	..	..	..	..	1	4	5	24	12	14	12	18	13	4	..	54	56	....	88	21	1	37	72	1	11	13	10	13	12	9	3	8	11	7	7	6
12. Septicæmia	5	....	..	..	..	..	..	..	2	..	1	..	1	....	1	..	..	..	2	3	....	5	..	....	2	3	....	..	1	..	..	..	1	2	1	..	..	..	..
13. Tuberculosis of Lungs	44	....	1	..	..	..	..	1	4	20	7	6	2	1	2	..	..	..	20	24	....	36	7	1	22	22	....	5	10	7	5	4	4	..	1	3	2	3	..
15. Tuberculous Meningitis	2	2	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	..	1	1	....	2	..	....	2	..	....	..	1	..	..	..	..	1	..	..	..	..	..
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	....	1	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	..	1	..	..
20. Tuberculosis of other organs	1	....	..	..	..	..	..	..	..	....	1	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	..	1	..	..
25. Cancer of Stomach and Liver	14	....	..	..	..	..	..	..	..	....	1	..	2	2	7	1	1	..	9	5	....	10	4	....	3	11	....	1	1	1	3	1	..	..	3	2	..	..	2
27. Cancer of Genital Organs	5	....	..	..	..	..	..	..	..	....	..	2	..	2	1	..	..	..	....	5	....	4	1	....	....	5	....	3	..	..	..	..	..	..	..	..	1	..	1
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	..	1	..	....	1	..	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
30. Cancer of other unspecified organs	15	....	..	..	..	..	..	..	..	....	..	1	3	4	5	2	..	..	8	7	....	10	5	....	1	13	1	..	..	..	3	1	2	..	1	2	2	3	1
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	..	..	..	1	..	..	..	1	..	....	....	1	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	5	....	..	..	..	..	..	1	..	....	..	..	..	..	3	1	..	..	3	2	....	4	1	....	1	4	....	..	..	..	..	1	..	..	..	1	1	..	2
33. Diabetes	6	....	..	..	..	..	..	..	..	....	2	1	1	2	..	..	..	..	2	4	....	6	..	....	2	4	....	..	..	2	1	1	1	..	1	..	..	..	..
34. Anæmia, Leukæmia	5	....	..	..	..	..	..	..	..	1	..	2	1	1	..	..	..	..	3	2	....	4	1	....	....	5	....	1	..	..	..	2	..	..	1	1	..	..	..
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	..	..	..	..	1	..	..	..	1	..	....	1	..	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
37. Other General Diseases	4	....	..	..	..	..	..	1	1	....	..	1	....	1	..	..	..	..	1	3	....	3	1	....	2	2	....	..	..	..	1	2	1	..	..	..	..	..	..
II.—Diseases of Nervous System.																																							
Group Total	64	7	2	3	..	1	1	3	1	....	3	1	6	4	11	14	7	..	36	28	....	43	21	....	25	38	1	7	8	6	6	3	7	5	3	7	6	2	4
38. Encephalitis	2	....	1	..	..	..	..	..	1	..	....	..	..	..	..	..	..	..	1	1	....	2	..	....	2	..	....	1	..	..	..	..	1	..	..	..	..	..	..
39. Meningitis	7	1	1	1	..	..	..	1	2	..	1	..	..	..	..	..	..	..	3	4	....	6	1	....	7	..	....	1	..	..	2	..	1	1	..	1	..	1	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	..	1	..	....	1	..	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

KENT.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
41. Other Diseases of Spinal Cord	5	..	..	..	..	..	..	..	1	1	..	1	1	..	1	..	..	4	1	....	3	2	....	2	2	1	1	1	..	..	..	1	..	1	1	..	..
42. Apoplexy	20	..	..	..	..	..	..	..	..	..	..	2	..	6	8	4	..	13	7	....	13	7	....	1	19	....	2	3	1	2	..	2	2	1	4	1	1	1
43. Softening of Brain	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	..	1	....	..	1	....	..	..	..	1	..	..	..	..	..	..	..	..
44. Paralysis	14	..	..	1	..	..	..	..	..	..	..	1	1	4	5	1	..	7	7	....	8	6	....	3	11	....	1	3	1	..	1	1	1	1	..	1	1	3
48. Epilepsy	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	1	..	..	..
49. Convulsions	7	4	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	4	3	....	5	2	....	7	..	....	..	..	1	2	1	1	1	..	..	1	..	..
50. Tetanus	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	1	..	1	..	..	..	..	..	..
51. Other Diseases of Nervous System	4	1	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	1	3	....	3	1	....	1	3	....	1	1	..	..	..	..	..	..	1	1	..	..
III.—Diseases of Circulatory System.																																						
Group Total	59	4	..	..	..	..	..	..	2	2	1	3	6	7	25	4	2	38	21	....	39	15	5	12	45	2	10	5	7	3	4	6	8	1	5	2	1	4
52. Pericarditis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	1	..	....	..	1	....	..	..	..	..	..	..	..	1	..	..	..	..
53. Endocarditis	3	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	1	2	....	3	..	....	..	3	....	..	..	..	1	..	..	..	..	1	..	..	1
54. Heart Disease	47	2	..	..	..	..	..	2	1	3	3	4	7	21	2	2	30	17	....	30	13	4	9	36	2	9	5	5	3	3	4	7	3	3	2	1	2
55. Angina Pectoris	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	..	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..
56. Diseases of Arteries	3	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	2	1	....	1	1	1	1	2	....	1	..	1	..	..	..	..	..	1	..	..	..
57. Embolism and Thrombosis	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	2	..	....	1	1	....	..	2	....	..	..	..	..	..	1	..	..	..	..	..	1
60. Other Diseases of Circulatory System	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	2	..	....	2	..	....	..	..	..	..	..	1	1	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	76	16	2	2	..	2	3	1	..	5	3	5	3	12	13	9	..	40	36	....	59	17	....	33	42	1	14	13	7	7	8	7	4	2	6	..	..	8
63. Acute Bronchitis	5	3	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	3	2	....	4	1	....	4	1	....	2	1	..	..	..	..	1	..	1	..	..	..
64. Chronic Bronchitis	6	1	..	..	..	..	..	..	..	1	..	..	..	1	..	3	..	3	3	....	2	4	....	1	5	....	2	1	..	..	2	..	..	..	..	..	..	1
65. Broncho-pneumonia	6	2	..	..	..	..	..	..	..	1	1	..	..	..	1	1	..	4	2	....	4	2	....	3	3	....	3	..	..	2	..	1	..	..	..	..	..	..
66. Pneumonia	51	9	2	2	..	3	1	..	2	2	5	2	10	9	4	..	26	25	....	43	8	....	22	28	1	7	10	6	5	5	6	3	2	2	..	..	5
67. Pleurisy	5	1	..	..	..	1	..	..	..	1	..	..	..	1	1	..	..	2	3	....	4	1	..	2	3	....	..	1	1	..	..	..	..	..	2	..	..	1
68. Congestion of Lungs	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	..	....	..	1	....	..	..	..	..	..	..	..	1	..	..	..	..
70. Asthma and Emphysema	2	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	..	..	1	..	..	..	..	..	1
V.—Diseases of Digestive System.																																						
Group Total	71	33	6	1	..	..	..	2	1	1	7	3	6	3	6	2	..	33	38	....	59	12	....	48	22	1	4	3	7	4	8	5	4	8	14	8	1	5
75. Other Diseases of Pharynx	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	1	..	....	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
76. Ulcer of Stomach	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	..	....	..	1	....	..	..	..	1	..	..	..	..	..	..	..	..
77. Gastritis	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	2	....	1	1	....	..	2	....	..	..	..	..	..	1	..	..	..	..	..	1
78. Other Diseases of the Stomach	8	3	1	..	..	..	..	..	..	..	..	2	1	1	..	..	..	4	4	....	6	2	....	6	2	....	..	..	..	..	3	1	..	1	2	1	..	..
79. Dentition	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	..	1	..	..	..	..	..	..	1	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	27	24	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	13	....	27	..	....	27	..	....	..	1	1	1	2	..	1	5	9	6	..	1
81. Diarrhœa and Enteritis (2 years and over)	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	....	2	..	....	1	1	....	..	..	..	..	..	..	..	1	1	..	..	..
82. Hernia	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	..	1	....	..	1	....	..	..	..	..	..	..	..	..	..	1	..	..
83. Obstruction of Intestines	6	3	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	3	3	....	6	..	....	5	1	....	..	1	1	..	1	2	..	..	..	..	..	1
84. Other Diseases of Intestines	4	1	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	2	2	....	2	2	....	1	3	....	1	..	1	..	..	..	1	..	1	..	..	..
87. Cirrhosis of Liver	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	1	..	....	..	1	....	..	..	..	..	..	..	..	1	..	..	..	..
88. Biliary Calculi	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	..	....	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
89. Other Diseases of Liver	4	1	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	1	3	....	1	3	....	1	3	....	..	..	3	..	..	1	..	..	..	..	..	..
91. Peritonitis, Non-puerperal	9	..	1	..	..	..	..	1	1	..	2	2	1	..	..	1	..	5	4	....	6	3	....	3	5	1	1	1	1	2	1	..	1	..	..	..	1	1
92. Appendicitis	3	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	1	2	....	3	..	....	3	..	....	1	..	..	..	..	..	..	..	1	..	..	1

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CAUSES OF DEATH BY COUNTIES—IN LAMBTON, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																			
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	702	166	15	5	7	5	3	12	15	51	50	37	50	73	118	85	10	357	344	1	520	168	14	306	381	15	68	66	54	59	60	47	60	62	69	63	41	53
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	40	10	4	1	4	1	..	2	1	3	6	1	3	1	1	1	1	16	24	....	35	5	....	27	12	1	4	7	4	4	2	1	2	3	5	2	2	4
1. Typhoid Fever	19	1	2	..	2	..	..	2	..	3	5	1	2	1	..	..	..	6	13	....	18	1	....	11	7	1	1	2	1	1	1	1	3	4	2	..	2	2
5. Scarlet Fever	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	....	2	..	....	2	..	....	..	..	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	5	3	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	....	4	1	....	5	..	....	2	..	..	1	1	..	..	..	..	..	1	..
7. Diphtheria and Croup	4	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	2	2	....	4	..	....	4	..	....	..	2	..	..	..	..	1	..	..	..	1	..
8. Influenza	4	1	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	3	1	....	1	3	....	1	3	....	1	2	1	..	..	..	..	..	..	..	..	..
9. Dysentery	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	1	..	....	..	1	....	..	..	..	..	..	..	..	1	..	..	..	..
10. Erysipelas	5	3	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	3	....	5	..	....	4	1	....	..	1	1	2	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																					
Group Total	127	2	..	..	..	1	1	1	3	30	17	13	17	19	14	6	3	60	67	....	103	24	....	44	79	4	15	14	11	14	9	7	10	12	11	9	8	7
12. Septicæmia	2	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	....	2	..	....	1	..	1	..	1	..	..	..	..	..	..	..	1	..	..
13. Tuberculosis of Lungs	47	1	..	..	..	..	..	2	..	23	9	3	3	4	2	..	..	24	23	....	45	2	....	26	18	3	5	5	7	5	2	2	2	6	4	3	3	3
14. Tuberculosis of Larynx	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	1	..	....	..	1	....	1	..	..	..	..	..	..	..	..	..	..	..
15. Tuberculous Meningitis	2	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	2	..	....	2	..	....	2	..	....	..	..	..	..	1	..	1	..	..	..	..	..
20. Tuberculosis of other organs	5	..	..	..	..	..	1	..	3	..	..	..	1	..	..	..	..	2	3	....	4	1	....	2	3	....	1	..	1	..	..	1	..	1	..	1	..	..
23. Venereal Diseases	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	..	..	..	..	..	1	..	..	..	..	..	..
25. Cancer of Stomach and Liver	15	..	..	..	..	..	..	..	..	..	1	..	3	2	5	4	1	4	11	....	8	7	....	..	15	....	3	1	2	..	2	3	1	1	1	..	1	..
26. Cancer of Intestines	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	1	....	2	..	....	..	2	....	..	..	..	..	..	..	..	1	1	..	..	..
28. Cancer of Breast	4	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..	..	4	....	3	1	....	1	3	....	1	..	..	1	..	..	1	..	..	1	..	..
29. Cancer of Skin	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	....	1	1	....	..	2	....	1	..	..	..	..	..	..	..	..	..	..	1
30. Cancer of other unspecified organs	14	..	..	..	..	..	..	..	..	..	1	..	2	3	6	2	..	5	9	....	8	6	....	..	14	....	2	2	..	..	1	..	1	1	1	1	1	1
31. Tumors	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	..	....	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
32. Rheumatism	8	..	..	..	..	1	..	..	1	..	..	..	2	1	1	2	..	5	3	....	6	2	....	2	6	....	..	..	..	..	1	..	1	..	1	1	..	1
33. Diabetes	6	..	..	..	..	..	..	..	..	3	..	2	..	1	..	..	..	3	3	....	6	..	....	4	2	....	..	1	..	2	..	..	..	..	..	2	1	..
34. Anæmia, Leukæmia	11	1	..	..	..	..	..	..	..	..	2	3	2	..	1	..	..	5	6	....	8	3	....	3	8	....	..	2	1	2	1	..	3	1	..	1	..	..
35. Alcoholism	5	..	..	..	..	..	..	..	..	..	1	..	3	..	..	..	1	5	..	....	4	1	....	1	4	....	..	1	..	1	1	..	..	..	2	..	..	..
37. Other General Diseases	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																					
Group Total	81	10	3	1	..	..	..	1	1	4	4	7	6	10	21	11	2	38	43	....	53	28	....	26	55	....	5	9	4	9	8	10	8	7	7	7	3	4
38. Encephalitis	2	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	....	2	..	....	2	..	....	..	1	1	..	..	..	..	..	..	..	..	..
39. Meningitis	7	1	2	..	..	..	..	..	1	1	..	1	..	..	..	1	..	1	6	....	7	..	....	4	3	....	1	1	..	1	1	1	1	..	1	..	..	..
41. Other Diseases of Spinal Cord	5	1	..	..	..	..	..	..	..	2	2	..	..	..	..	1	..	3	2	....	4	1	....	3	2	....	..	..	..	..	..	1	..	2	..	1	1	..

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LAMBTON.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	3	....	..	..	..	..	..	..	..	2	1	..	....	..	..	..	..	....	3	....	2	1	....	....	3	....	..	..	..	..	1	..	..	..	..	1	..	1
106. Puerperal Septicæmia	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	....	2	....	1	1	....	....	2	....	..	..	..	..	1	..	..	..	..	..	..	1
108. Other causes incident to Childbirth	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	...	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	2	....	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	....	2	....	1	1	....	....	2	....	..	..	1	..	..	..	..	..	..	..	1	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	...	1	....	..	..	..	..	..	..	..	..	..	..	1	..
112. Other Diseases of Skin	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
X.—Malformations.																																						
Group Total	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	1	..	1	..	1	..
116. Congenital Malformations (Still-Births excluded)	3	3	..	..	..	..	..	..	..	...	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	1	..	1	..	1	..
XI.—Early Infancy.																																						
Group Total	48	48	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	29	19	....	48	....	....	48	....	....	4	3	2	3	2	5	5	6	3	3	4	8
117 Premature Birth	20	20	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	12	8	....	20	....	....	20	....	....	2	1	1	..	..	3	2	2	1	2	1	5
118. Congenital Debility	28	28	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	11	....	28	....	....	28	....	....	2	2	1	3	2	2	3	4	2	1	3	3
119. XII.—Old Age.																																						
Group Total	67	....	..	..	..	..	..	..	..	....	..	..	....	3	19	13	2	34	33	....	25	36	6	5	59	3	10	6	9	6	6	3	4	3	5	10	1	1
XIII.—Violence and Other External Causes.																																						
Group Total	34	4	1	2	1	....	3	3	1	1	1	3	3	5	2	1	28	6	....	26	7	1	19	14	1	6	1	3	2	2	6	3	1	2	1	4	3
120. Suicides	3	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	1	2	1	....	1	2	....	1	2	....	..	..	1	..	1	..	..	..	1	..	..	..
121. Fractures and Dislocations	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	2	....	....	1	1	....	1	1	....	..	..	..	1	..	..	1	..	..	..	..	..
122. Burns and Scalds	3	1	..	1	..	..	..	..	..	1	..	..	....	..	..	..	..	3	....	....	3	....	....	3	....	....	..	2	..	..	..	..	..	..	..	..	..	1
123. Physical Phenomena	3	....	2	..	..	..	..	..	..	....	..	..	2	1	..	..	..	3	....	....	3	....	....	....	2	1	..	..	..	..	..	2	1	..	..	..	..	..
124. Drowning	3	1	..	..	..	..	1	1	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	1	..	..	..	1	1	..	..	..	..	..	..
125. Inhalation of Poisonous Gases	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	2
126. Other Accidental Poisonings	2	....	..	..	1	..	..	1	..	....	..	..	....	..	..	..	..	1	1	....	1	1	....	2	....	....	..	..	..	1	..	1	..	..	..	..	..	..
127. Other Accidental Traumatisms	15	....	1	1	..	..	2	1	....	1	1	....	..	..	1	..	..	12	2	....	11	2	1	7	7	....	3	1	1	..	1	1	..	1	1	1	4	..
128. Injuries at Birth	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	1	..	..	1	..	..	..	..	..	..
XIV.—Ill-defined Diseases.																																						
Group Total	37	9	1	..	..	..	..	1	2	2	..	3	2	4	8	5	..	17	20	....	24	11	2	15	20	2	3	3	..	..	4	3	3	4	8	1	2	3
131. Heart Failure	11	....	..	..	..	..	..	..	..	....	..	2	1	1	8	2	..	8	6	....	6	8	....	....	11	....	1	1	..	..	1	2	1	1	1	1	1	1
132. Other ill-defined causes	10	7	..	..	..	..	..	..	1	....	..	1	....	1	..	..	..	2	8	....	10	....	....	8	2	....	1	2	..	..	..	..	..	..	3	2	1	1
133. Unknown causes	13	2	1	..	..	..	..	1	1	2	..	..	1	2	..	3	..	7	6	....	8	3	2	7	1	2	1	..	..	..	..	1	2	3	4	1	..	1
134. XV.—Still-Births.																																						
Group Total	35	35	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	9	25	1	35	....	....	35	....	....	1	2	1	4	4	..	1	1	2	2	4	1

CAUSES OF DEATH BY COUNTIES—IN LANARK, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	484	87	7	5	4	4	4	9	14	41	25	31	45	72	66	70	....	241	242	1	363	105	16	206	261	17	49	42	51	49	48	28	48	27	44	26	41	31
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	16	....	1	1	1	1	2	1	..	3	3	..	1	1	1	..	..	7	9	....	13	3	....	11	5	....	1	1	5	2	1	..	1	1	2	..	1	1
1. Typhoid Fever	7	....	..	..	..	..	1	..	..	2	3	..	1	..	..	..	..	4	3	....	4	3	....	2	5	....	1	..	2	..	..	1	..	..	2	..	1	..
4. Measles	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
5. Scarlet Fever	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
6. Whooping Cough	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	2	....	..	..	..	1	..	..	..	1	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	1	1	..	..	..	..	..	..	..
8. Influenza	2	....	1	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	2	....	2	....	....	2	....	....	..	1	1	..	..	..	..	..	..	..	..	..
9. Dysentery	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	87	2	1	..	..	..	1	2	4	18	10	16	10	15	4	4	..	43	44	....	73	14	...	36	44	7	9	6	6	10	9	5	8	7	7	6	8	6
12. Septicæmia	3	...	..	..	..	..	..	1	..	1	1	..	....	..	..	..	..	2	1	....	2	1	....	1	2	....	..	1	..	1	..	1	..	..	..	..	..	..
13. Tuberculosis of Lungs	44	...	1	..	..	..	..	4	15	6	9	3	5	1	..	..	..	21	23	....	40	4	....	23	20	1	5	4	2	6	4	2	7	2	3	2	2	5
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	..	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..
15. Tuberculous Meningitis	2	1	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	1	..	..	..	..	1	..	..	..	..	..	..
16. Abdominal Tuberculosis	2	....	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	1	1	....	2	....	....	1	....	1	..	..	..	..	..	..	..	..	..	2	..	..
25. Cancer of Stomach and Liver	7	....	..	..	..	..	..	..	..	....	1	1	2	2	1	..	..	3	4	....	3	4	...	1	6	....	..	1	1	1	..	1	1	..	1	..	..	..
26. Cancer of Intestines	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
30. Cancer of other unspecified organs	11	....	..	..	..	..	..	..	..	....	1	3	1	1	2	..	..	4	7	....	8	3	....	....	7	4	..	..	..	1	..	1	1	..	3	1	..	4	..
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
32. Rheumatism	2	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	1	..	..	..	..	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	....	2	..	....	..	..	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	9	1	..	..	..	..	..	1	..	1	..	2	2	..	..	..	..	6	3	....	9	....	....	4	4	1	..	..	2	2	1	..	..	1	1	1	..	..
37. Other General Diseases	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	..	..	..	..	..	1	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	52	12	1	1	..	..	..	2	..	1	..	1	10	7	11	6	..	23	29	....	39	13	....	20	29	3	5	7	7	4	6	3	5	2	3	2	4	3
38. Encephalitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
39. Meningitis	3	1	..	1	..	..	..	1	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	..	..	..	..	1	1	..	1	..	..	..	..
40. Locomotor Ataxia	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	1	1	....	2	....	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	3	....	..	..	..	..	..	1	..	....	..	..	1	..	1	..	..	3	....	....	2	1	....	1	1	1	..	..	1	..	..	..	1	1	..	..	..	..	..
42. Apoplexy	17	2	..	..	..	..	..	..	..	1	..	1	1	6	4	2	..	7	10	....	11	6	....	5	11	1	..	3	3	1	1	..	3	..	..	2	1	3

LANARK.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
43. Softening of Brain	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	..	1	....	..	1	....	..	..	..	..	..	..	..	..	..	..	1	..
44. Paralysis	14	..	..	..	..	..	..	..	..	..	..	..	6	1	3	1	..	6	8	....	9	5	....	1	12	1	3	2	2	2	1	1	..	..	..	..	2	..
46. Other forms of Mental Disease	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	...	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
47. Other Diseases of Brain	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
49. Convulsions	9	8	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	7	....	9	....	....	9	....	....	2	1	..	1	2	1	1	1	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	38	..	..	1	..	..	..	..	..	1	1	2	6	13	10	1	..	19	19	....	28	7	3	9	28	1	1	3	3	1	3	1	1	2	4	2	7	1
53. Endocarditis	3	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	2	....	2	....	1	....	3	....	..	..	1	..	1	..	..	..	1	..	..	..
54. Heart Disease	30	..	..	1	..	..	..	..	..	..	..	2	4	13	7	3	..	16	14	....	22	6	2	8	24	1	4	2	2	3	2	1	1	2	3	2	6	2
56. Diseases of Arteries	3	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	2	1	....	2	1	....	....	3	....	..	..	..	..	..	..	..	..	..	..	1	2
57. Embolism and Thrombosis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	44	5	3	1	..	..	1	..	4	5	3	5	2	3	10	2	..	20	24	....	37	7	....	22	22	....	5	5	8	5	7	4	3	..	1	3	2	1
61. Diseases of Larynx	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
63. Acute Bronchitis	5	1	..	1	..	..	1	..	..	..	..	..	1	..	2	1	..	2	3	....	3	2	....	2	3	....	2	..	..	..	1	..	..	..	2	..	..	..
64. Chronic Bronchitis	2	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	2	....	1	1	....	1	1	....	1	..	..	..	..	..	..	..	1	..	..	..
65. Broncho-pneumonia	3	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	2	....	3	....	..	2	1	....	..	..	2	..	..	..	..	..	..	1	..	..
66. Pneumonia	27	2	3	..	..	..	..	3	..	3	2	3	1	3	6	1	..	13	14	....	24	3	...	14	13	....	2	2	6	3	7	3	3	..	..	..	..	1
67. Pleurisy	2	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	1	1	....	1	1	....	....	2	....	..	1	..	1	..	..	..	..	..	..	..	..
68. Congestion of Lungs	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	3	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	2	1	....	3	....	....	2	1	....	..	1	..	..	..	..	..	..	..	1	1	..
V.—Diseases of Digestive System.																																						
Group Total	37	14	1	..	1	1	..	..	1	2	2	..	3	8	2	2	..	16	21	....	30	6	1	22	15	....	7	3	2	3	1	..	4	4	8	2	1	2
76. Ulcer of Stomach	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
77. Gastritis	3	..	..	..	1	..	..	..	..	..	..	..	1	..	..	1	..	....	3	....	3	....	....	2	1	....	..	1	..	..	..	1	..	1	..	..	..	..
78. Other Diseases of the Stomach	10	6	1	..	..	..	..	..	..	1	..	..	1	1	..	..	..	4	6	....	9	1	....	7	3	....	4	1	..	1	1	..	..	..	2	..	..	1
80. Diarrhœa and Enteritis (under 2 years)	7	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	5	....	7	....	....	7	....	....	..	..	..	..	..	..	4	3	..	..	..	..
81. Diarrhœa and Enteritis (2 years and over)	3	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	1	2	....	1	2	....	....	3	....	..	..	1	..	..	..	..	..	1	1	..	..
82. Hernia	2	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	2	....	....	1	1	....	....	2	....	..	..	..	1	..	..	..	..	..	..	..	1
83. Obstruction of Intestines	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
85. Acute Yellow Atrophy of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
87. Cirrhosis of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
89. Other Diseases of Liver	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
90. Diseases of Spleen	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
91. Peritonitis, Non-Puerperal	5	..	..	1	..	..	..	1	..	1	1	..	..	1	..	..	..	3	2	....	5	....	....	4	1	....	2	..	..	1	..	..	2	..	..	..	..	..
92. Appendicitis	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	....	1	....	....	1	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	23	..	..	..	..	..	..	..	..	2	1	1	3	6	6	4	..	14	9	....	13	9	1	3	19	1	..	3	1	3	1	2	..	1	4	1	3	1
94. Acute Nephritis	2	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	1	1	1
95. Bright's Disease	16	..	..	..	..	..	..	..	..	1	1	1	2	5	3	3	..	10	6	....	12	3	1	3	12	1	..	1	1	2	1	2	..	1	3	1	2	2
96. Other Diseases of Kidneys	3	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	2	1	....	....	3	....	....	3	....	..	..	2	..	1	..	..	..	..	..	..	..
102. Ovarian Tumor	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
103. Diseases of the Tubes	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..

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CAUSES OF DEATH BY COUNTIES—IN LEEDS AND GRENVILLE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	742	151	12	5	3	2	12	13	24	39	42	38	70	86	123	115	7	376	365	1	594	134	14	324	387	31	60	59	83	59	74	68	57	92	57	51	24	58
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	37	10	4	3	..	..	4	1	1	2	4	4	....	1	3	..	..	20	17	....	35	1	1	26	11	....	3	3	4	3	1	5	1	7	2	3	1	4
1. Typhoid Fever	10	....	..	..	..	..	..	1	1	2	2	4	....	..	..	..	..	8	2	....	10	....	....	3	7	....	..	..	..	1	3	..	1	..	1	..	2	1	1
3. Smallpox	1	1	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	1	..	....	1	....	....	1	..	....	..	..	..	..	..	..	..	..	..	..	..	..	1
5. Scarlet Fever	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	..	....	..	..	..	..	..	..	..	1	..	..	..	..	..
6. Whooping Cough	16	6	1	2	..	..	..	..	..	1	..	..	....	..	..	..	..	3	7	....	10	....	....	10	..	....	..	..	..	..	2	..	1	3	1	..	..	..	..
7. Diphtheria and Croup	7	....	2	..	..	..	4	..	..	....	1	..	....	..	..	..	..	3	4	....	7	....	....	7	..	....	2	2	..	..	..	2	2	..	..	..	..	..	1
8. Influenza	4	1	1	..	..	..	..	..	..	....	..	..	....	..	2	..	..	1	3	....	3	....	1	2	2	....	1	1	1	..	..	..	..	..	1	..	..	..	..
9. Dysentery	3	2	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	3	....	....	2	1	....	2	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1
(B.—Other General Diseases.)																																						
Group Total	143	2	....	..	1	..	2	5	8	22	18	16	23	17	19	9	1	60	83	....	120	22	1	56	78	9	12	14	9	18	13	19	10	9	10	13	4	12
12. Septicæmia	9	1	..	..	1	..	..	..	1	2	2	1	....	1	..	..	..	3	6	....	8	1	....	4	5	....	1	2	1	2	..	2	1	..	..	..	..	..
13. Tuberculosis of Lungs	59	1	..	..	..	..	2	5	15	11	7	7	6	4	1	..	..	20	39	....	55	3	1	30	27	2	6	6	2	7	5	8	5	4	4	8	1	3
15. Tuberculous Meningitis	1	....	..	..	..	..	..	1	....	..	..	..	....	..	..	..	..	....	1	....	1	....	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..	..
20. Tuberculosis of other organs	5	....	..	..	..	..	..	..	2	..	..	..	3	..	..	..	..	2	3	....	5	....	....	3	2	....	..	..	..	1	..	1	..	..	..	..	..	..	3
21. General Tuberculosis	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	..	....	..	..	..	..	..	..	1	..	..	..	..	..	..
23. Venereal Diseases	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..	1
25. Cancer of Stomach and Liver	7	....	..	..	..	..	..	..	1	..	..	..	....	1	4	1	..	5	2	....	6	1	....	2	4	1	..	..	..	..	1	1	1	1	3	..	..	..	..
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	2	....	....	2	....	....	1	1	....	1	..	..	..	1	..	..	..	..	..	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	19	....	..	..	..	..	..	..	..	....	..	4	4	5	3	3	..	12	7	....	12	7	....	1	14	4	2	1	1	1	3	4	2	1	1	2	..	1
31. Tumors	3	....	..	..	..	..	1	..	..	....	1	..	....	..	1	..	..	1	2	....	3	....	....	1	2	....	..	..	..	..	..	..	..	1	..	..	..	..
32. Rheumatism	10	....	..	..	..	..	1	..	..	....	1	..	1	2	2	2	1	4	6	....	7	3	....	2	8	....	..	3	..	..	1	2	..	..	1	..	1	2	..
33. Diabetes	3	....	..	..	..	..	..	1	..	....	..	..	....	..	1	..	..	2	1	....	2	1	....	2	1	....	1	..	1	..	..	..	..	..	..	..	1	..	..
34. Anæmia, Leukæmia	19	....	..	..	..	..	..	1	..	1	2	4	5	1	4	1	..	8	11	....	13	6	....	6	12	1	1	1	2	4	2	1	..	..	3	2	1	2
37. Other General Diseases	2	....	..	..	..	..	..	..	1	....	..	..	1	..	..	..	..	....	2	....	2	....	....	1	1	....	..	..	..	1	..	..	..	1	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	74	11	..	1	1	..	3	3	3	2	1	12	11	14	10	2	48	26	....	57	15	2	35	37	2	3	6	11	5	10	9	6	6	5	4	3	6
39. Meningitis	8	3	..	1	..	..	..	1	2	....	..	..	....	1	..	..	..	5	3	....	8	....	....	8	....	....	2	..	2	..	2	1	..	..	1	..	..	..
41. Other Diseases of Spinal Cord	3	....	..	..	..	..	..	..	..	....	..	..	1	1	..	1	..	3	....	....	3	....	....	1	2	....	..	..	..	..	1	1	..	1	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
99. Diseases of Male Genital Organs (Non venereal)	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	2	....	....	2	....	. .	..	1	1	..	..	..	..	..	..	2	..	..	..	..	..
101. Other Diseases of Uterus	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..
103. Diseases of the Tubes	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	4	....	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	....	4	....	4	....	....	....	4	....	1	2	..	..	..	1	..	..	..	..	..	..
106. Puerperal Septicæmia	3	...	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	....	3	....	3	....	....	....	3	....	..	2	..	..	..	1	..	..	..	..	..	..
108. Other causes incident to Childbirth	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	1	....	....	....	1	...	1	..	..	..	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	5	1	..	..	..	..	..	..	..	....	..	1	1	..	1	1	..	3	2	....	4	....	1	1	3	1	..	..	..	..	..	..	2	1	..	..	..	2
109. Gangrene	.	....	..	..	..	..	..	..	..	....	..	1	....	..	..	1	..	2	....	....	2	....	...	....	1	1	..	..	..	..	..	..	1	1	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	....	1	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
112. Other Diseases of Skin	2	1	..	..	..	..	..	..	..	...	..	..	1	..	..	..	..	....	2	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	2
X.—Malformations.																																						
Group Total	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	1	..	..	1	..	..	..	..	..
116. Congenital Malformations (Still Births excluded)	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	1	..	..	1	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	48	48	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	22	26	....	48	....	....	48	....	....	3	2	8	4	7	4	5	6	2	..	2	5
117. Premature Birth	23	23	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	15	....	23	....	....	23	....	....	2	1	3	2	3	3	2	1	..	..	2	4
118. Congenital Debility	25	25	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	14	11	....	25	....	....	25	....	....	1	1	5	2	4	1	3	5	2	..	..	1
119. XII.—Old Age.																																						
Group Total	66	...	..	..	..	..	..	..	..	....	..	..	....	1	14	47	1	25	41	....	41	24	1	5	57	4	3	4	6	5	6	12	6	8	8	4	2	2
XIII.—Violence and Other External Causes																																						
Group Total	27	4	1	..	..	1	1	1	5	1	4	1	1	3	1	3	..	20	7	...	20	6	1	17	9	1	2	1	2	1	2	4	3	7	3	..	1	1
121. Fractures and Dislocations	2	....	..	..	..	..	..	..	..	....	..	..	...	1	..	1	..	2	....	....	1	1	....	....	2	....	..	..	1	..	..	..	..	..	..	..	..	1
122. Burns and Scalds	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	. .	...	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
124. Drowning	8	....	1	..	..	1	1	..	3	1	1	..	....	..	..	..	..	6	2	....	7	1	....	8	....	....	..	..	..	..	..	1	3	1	2	..	1	..
126. Other Accidental Poisonings	2	....	..	..	..	..	..	..	1	....	..	..	....	..	..	1	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	1	1	..	..	..	..
127. Other Accidental Traumatisms	10	....	..	..	..	..	..	1	1	....	3	1	1	2	..	1	..	8	2	....	5	4	1	4	5	1	2	..	1	1	..	1	1	3	1	..	..	..
128. Injuries at Birth	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	2	....	4	....	..	4	....	....	..	1	..	..	1	..	..	1	1	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	44	4	..	..	..	..	..	1	1	3	3	3	3	9	10	7	..	24	20	....	33	10	1	13	26	5	6	2	4	7	4	4	4	6	2	..	2	3
130. Dropsy	5	....	..	..	..	..	..	..	..	....	..	..	....	2	2	1	..	2	3	...	4	1	....	2	3	....	1	..	1	..	..	1	1	1	..	..	..	..
131. Heart Failure	20	....	..	..	..	..	..	..	..	1	..	2	1	5	7	1	..	11	9	....	14	5	1	3	12	5	3	1	2	5	3	2	1	1	1	..	..	1
132. Other ill-defined causes	12	2	..	..	..	..	..	1	..	2	1	1	2	1	1	1	..	7	5	....	10	2	....	5	7	....	2	1	..	1	1	..	2	1	..	..	2	2
133. Unknown causes	7	2	..	..	..	..	..	..	1	....	2	..	...	1	..	1	..	4	3	....	5	2	....	3	4	....	..	..	1	1	..	1	..	3	1	..	..	..
134. XV.—Still-Births.																																						
Group Total	24	24	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	11	12	1	24	..	....	24	....	...	1	1	4	..	3	2	2	5	..	3	..	3

CAUSES OF DEATH BY COUNTIES—IN LENNOX AND ADDINGTON, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																			
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	267	30	6	3	2	2	7	3	12	17	17	21	10	23	6	3	47	4	142	125	.....	204	56	7	97	162	8	29	20	27	23	25	19	24	21	28	20	16	15
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	19	1	1	1	2	1	4	..	4	...	3	1	....	..	1	..	..	9	10	....	18	1	....	15	3	1	5	1	3	1	..	..	..	1	1	2	4	1
1. Typhoid Fever	7	..	..	..	..	..	..	..	4	....	3	..	....	..	..	..	..	4	3	....	7	....	....	4	2	1	1	..	..	..	..	..	..	..	..	2	4	..
5. Scarlet Fever	5	....	..	..	1	1	3	..	..	....	..	..	....	..	..	..	..	3	2	....	5	....	....	5	....	....	3	1	..	1	..	..	..	..	..	..	..	..
6. Whooping Cough	2	1	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	..	....	2	....	....	..	..	2	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	3	....	..	..	..	..	1	..	..	....	..	1	....	..	..	..	..	....	3	....	3	....	....	3	....	....	1	..	1	..	..	..	..	..	..	..	..	..
9. Dysentery	2	....	1	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	2	....	1	1	....	1	1	....	..	..	..	..	..	..	..	..	1	..	..	1
11. Other Epidemic Diseases	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
(B.—Other General Diseases.)																																					
Group Total	44	1	1	..	..	1	..	..	4	12	7	3	4	7	4	..	..	17	27	....	40	4	....	17	27	....	3	8	5	2	6	1	3	6	4	2	2	2
12. Septicæmia	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	27	....	..	..	..	..	..	4	11	6	1	..	2	2	1	..	..	11	16	....	24	3	....	12	15	....	1	6	1	2	5	..	3	3	2	1	1	2
15. Tuberculous Meningitis	1	..	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
30. Cancer of other unspecified organs	4	....	..	..	..	..	..	..	..	....	1	..	1	..	2	..	..	2	2	....	3	1	....	1	3	....	..	2	..	..	1	..	..	..	..	..	1	..
31. Tumors	3	....	..	..	..	..	..	..	..	....	..	..	....	2	1	..	..	....	3	....	3	....	....	....	3	....	..	..	..	..	..	..	..	2	1	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	1	1	....	2	....	....	....	2	....	..	..	..	..	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	2	....	..	..	..	..	..	..	..	....	..	1	....	1	..	..	..	1	1	....	2	....	....	1	1	....	..	..	1	..	..	..	..	..	..	1	..	..
37. Other General Diseases	3	1	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	2	....	3	....	....	1	2	....	..	..	2	..	..	..	..	..	1	..	..	..
II.—Diseases of Nervous System.																																					
Group Total	29	....	1	1	..	..	..	1	..	1	..	5	2	5	9	4	..	17	12	....	22	7	....	6	22	1	4	2	1	..	2	6	2	1	6	..	3	2
39. Meningitis	4	....	..	1	..	..	..	1	..	1	..	1	....	..	..	..	..	2	2	....	4	....	....	3	1	....	2	1	..	..	..	1	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..
42. Apoplexy	10	....	..	..	..	..	..	..	..	....	..	1	1	4	3	1	..	6	4	....	7	3	....	2	8	....	1	1	..	..	2	1	..	..	1	..	2	2
44. Paralysis	11	....	..	..	..	..	..	..	..	....	..	1	1	1	5	3	..	7	4	....	8	3	....	....	10	1	1	..	..	..	..	3	1	1	4	..	1	..
46. Other forms of Mental Disease	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..
48. Epilepsy	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..
49. Convulsions	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
III.—Diseases of Circulatory System.																																						
Group Total	**25**	....	..	..	..	..	1	..	1	...	1	1	....	3	11	7	..	10	15	....	12	10	3	8	17	....	2	1	1	5	5	2	2	1	3	2	..	1
53. Endocarditis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	..	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
54. Heart Disease	24	....	..	..	..	..	1	..	1	....	1	1	....	3	11	6	..	10	14	....	12	9	3	8	16	....	2	1	1	5	4	2	2	1	3	2	..	1
IV.—Diseases of Respiratory System.																																						
Group Total	**19**	3	1	1	....	..	1	..	1	1	..	1	2	1	5	2	..	9	10	...	8	10	1	6	11	2	4	2	3	1	3	1	1	1	..	2	..	1
61. Diseases of Larynx	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	2	....	..	..	..	..	..	..	..	....	..	..	1	..	..	1	..	....	2	....	..	2	....	....	2	....	1	..	1	..	..	..	..	..	..	..	..	..
64. Chronic Bronchitis	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	2	....	..	....	2	....	....	2	....	..	..	..	..	..	..	1	1	..	..	..	..
65. Broncho-pneumonia	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..	..
66. Pneumonia	12	2	..	1	..	..	1	..	1	1	..	1	1	1	3	..	..	5	7	....	6	5	1	4	6	2	1	2	2	1	2	1	..	..	2	..	1
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	**16**	6	1	..	..	..	..	..	1	....	..	4	....	1	1	2	..	10	6	....	16	....	....	8	8	....	2	2	1	1	..	1	2	1	3	1	..	2
78. Other Diseases of the Stomach	4	1	..	..	..	..	..	..	..	....	..	1	....	..	1	1	..	1	3	....	4	....	....	1	3	....	1	2	..	..	..	1	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	6	5	1	..	..	..	..	..	..	....	..	..	...	..	..	..	..	5	1	....	6	....	....	6	....	....	1	..	1	..	..	..	..	..	3	1	..	..
81. Diarrhœa and Enteritis (2 years and over)	3	....	..	..	..	..	..	..	..	....	..	2	....	..	..	1	..	1	2	...	3	....	....	....	3	....	..	..	..	..	..	..	2	..	..	..	..	1
83. Obstruction of Intestines	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
91. Peritonitis, Non-Puerperal	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
92. Appendicitis	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	....	.	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	**16**	....	..	..	..	..	..	..	..	....	2	4	1	2	4	3	..	14	2	....	12	4	...	4	11	1	..	1	1	3	3	..	2	3	1	..	2	..
95. Bright's Disease	12	....	..	..	..	..	..	..	..	....	1	4	....	2	3	2	..	11	1	....	9	3	....	4	7	1	..	..	..	3	2	..	2	3	..	..	2	..
96. Other Diseases of Kidneys	4	....	..	..	..	..	..	..	..	....	1	..	1	..	1	1	..	3	1	....	3	1	....	....	4	....	..	1	1	..	1	..	..	1	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	**2**	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	.	2	....	2	....	....	1	1	....	..	..	..	1	..	..	..	..	1	..	..
107. Puerperal Convulsions	2	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	....	2	....	2	....	....	1	1	....	..	..	..	1	..	..	..	..	1	..	..
VIII.—Diseases of Skin.																																						
Group Total	**3**	.	..	..	..	..	..	..	..	1	..	..	....	..	2	..	..	3	....	....	3	...	....	...	3	....	..	..	1	..	..	..	1	1	..	..	..	..
109. Gangrene	1	....	..	..	..	..	..	..	..	....	..	..	..	..	1	..	..	1	....	....	1	...	....	...	1	....	..	..	1	..	..	..	..	..	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
112. Other Diseases of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..

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CAUSES OF DEATH BY COUNTIES—IN LINCOLN, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	424	110	4	3	.....	3	7	5	6	30	24	27	26	60	67	49	3	218	206	.....	295	105	24	183	222	19	38	33	45	35	25	23	46	32	29	38	40	40
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	8	4	1	..	..	..	..	..	2	..	1	..	..	....	..	..	..	..	1	7	....	6	2	....	8	....	....	..	2	2	1	..	..	..	1	..	1	..	1
1. Typhoid Fever	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	..	....	1	...	....	1	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	1	....	..	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	3	2	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	3	....	....	3	....	3	....	....	..	..	..	2	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	2	1	..	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	2	....	....	2	....	2	....	....	..	..	..	..	1	..	..	..	..	..	..	..
9. Dysentery	1	1	..	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	68	2	1	..	..	..	..	1	3	11	9	7	7	14	9	3	1	37	31	....	43	20	5	20	45	3	8	5	5	3	2	4	7	2	2	10	10	10
12. Septicæmia	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	...	1	.	...	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
13. Tuberculosis of Lungs	29	1	..	..	..	..	..	..	2	11	5	4	5	..	1	..	..	21	8	....	21	4	4	13	14	3	..	..	4	3	..	3	5	1	1	2	5	3
15. Tuberculous Meningitis	2	1	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	1	....	2	....	....	1	1	....	2	1	..	..	..	..	..	..	..	..	..	1
16. Abdominal Tuberculosis	2	....	1	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	..
17. Pott's Disease	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	1	..	..
19. White Swelling	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	3	..	..
25. Cancer of Stomach and Liver	3	....	..	..	..	..	..	..	..	....	..	..	....	2	..	1	..	..	1	....	....	1	....	....	3	....	....	..	..	1	..	..	..	..	..	..	..	..	..
26. Cancer of Intestines	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	..	1	....	...	1	....	....	1	....	....	1	..	..	..	1	..	..	..	..	..	1	..
27. Cancer of Genital Organs	3	....	..	..	..	..	..	..	..	....	..	2	....	1	..	..	..	....	3	....	....	1	....	....	2	....	....	..	..	1	..	..	1	..	..	..	..	..	..
28. Cancer of Breast	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	....	1	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	3	1	1	..	3	3	....	2	3	1	1	5	..	2	..	..	..	..	1	..	..	1	2	..	..
30. Cancer of other unspecified organs	6	....	..	..	..	..	..	1	..	....	..	..	....	..	1	..	..	1	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	..	1	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..	..	1	..	..
33. Diabetes	4	....	..	..	..	..	..	..	..	....	..	1	....	2	1	..	..	1	3	....	2	....	2	1	2	1	..	..	..	..	..	..	..	1	1	..	2	2
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	..	1	....	2	1	1	2	1	..	..	1	2	....	2	1	....	1	2	....	..	1	..	..	..	..	..	..	..	..	..	..
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	1
37. Other General Diseases	3	....	..	..	..	..	..	..	..	....	..	1	..	1	..	..	..	....	2	....	....	2	....	....	3	....	....	..	..	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	57	11	1	1	..	1	..	1	..	4	1	4	3	7	16	6	1	25	32	...	38	11	8	20	31	6	8	2	8	7	3	6	6	2	6	5	3	1
38. Encephalitis	2	1	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	1	....	2	....	....	1	1	....	1	..	..	..	..	1	..	..	..	..	..	..
39. Meningitis	6	4	..	1	..	..	..	..	..	....	..	..	1	..	..	..	..	4	2	....	5	....	1	5	1	....	..	..	1	..	..	2	..	1	1	..	1	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	14	....	..	..	..	..	..	..	..	....	..	1	1	2	6	3	1	7	7	....	7	6	1	1	12	1	2	..	1	4	2	..	1	..	..	..	..	..
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	4	....	..	..	..	..	..	..	..	....	1	3	....	..	..	..	..	....	4	....	3	1	....	1	3	...	1	..	..	..	1	1	..	..	..	1	..	..
106. Puerperal Septicæmia	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	...	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	....	2	....	1	1	.	....	2	....	..	..	..	..	1	..	..	..	1	..	..
VIII.—Diseases of Skin.																																						
Group Total	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	....	2	....	1	1	....	....	2	....	..	1	..	..	..	..	..	..	1	..	..
109. Gangrene	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	....	2	....	1	1	....	....	2	....	..	1	..	..	..	..	..	..	1	..	..
IX.—Diseases of Locomotor System.																																						
Group Total	1	..	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..
113. Diseases of the Bones	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	...	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..
XI.—Early Infancy.																																						
Group Total	25	25	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	16	9	..	25	....	....	25	....	....	1	2	1	1	1	1	4	2	2	2	5	3
117. Premature Birth	12	12	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	9	3	....	12	...	....	12	....	....	1	..	..	..	..	1	3	1	..	1	3	2
118. Congenital Debility	13	13	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	7	6	....	13	....	....	13	....	....	..	2	1	1	1	..	1	1	2	1	2	1
119. XII.—Old Age.																																						
Group Total	34	....	..	..	..	..	..	..	..	....	..	..	...	2	6	26	..	12	22	....	21	12	1	....	33	1	4	3	7	3	3	4	3	1	2	1	..	3
XIII.—Violence and Other External Causes.																																						
Group Total	30	....	1	1	..	1	5	1	1	3	3	2	4	3	3	2	..	23	7	....	16	10	4	12	14	4	3	..	3	2	1	2	7	2	1	1	3	5
120. Suicides	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	..	1	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
121. Fractures and Dislocations	5	....	..	..	..	..	..	..	..	1	1	..	..	..	1	2	..	1	4	....	3	2	....	2	3	....	..	..	1	..	..	..	1	1	..	..	1	1
122. Burns and Scalds	2	....	..	..	..	..	1	..	..	....	..	..	....	..	1	..	..	2	....	....	1	....	1	1	1	....	1	..	..	..	..	..	..	..	..	..	..	1
123. Physical Phenomena	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	2	..	....	....	1	1	....	2	....	..	..	..	..	..	1	..	..	1	..	..	..
124. Drowning	9	....	..	..	..	1	4	..	1	....	..	..	2	1	..	..	..	7	2	....	6	2	1	4	1	4	..	..	..	..	2	1	1	3	1	..	1	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
127. Other Accidental Traumatisms	10	....	1	1	..	1	..	..	2	2	1	1	1	..	..	..	..	10	....	....	6	3	1	5	5	....	2	..	1	..	..	..	3	..	..	1	1	2
XIV.—Ill-Defined Diseases.																																						
Group Total	43	11	..	..	..	..	..	..	1	2	3	5	3	7	7	4	..	16	27	....	33	9	1	18	23	2	1	4	4	3	2	1	7	6	2	6	4	3
130. Dropsy	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	1	1	....	2	....	....	....	2	....	..	1	1	..	..	..	..	..	..	..	..	..
131. Heart Failure	18	....	..	..	..	..	..	..	1	2	3	2	4	5	1	..	..	7	11	..	11	7	....	3	15	....	1	3	2	3	2	1	4	..	1	..	..	1
132. Other ill-defined causes	10	7	..	..	..	..	..	..	..	....	..	..	1	1	..	1	..	3	7	....	9	1	....	8	2	....	..	..	1	..	..	..	..	2	..	4	2	1
133. Unknown causes	13	4	..	..	..	..	..	..	1	1	1	2	....	2	2	..	..	5	8	....	11	1	1	7	4	2	..	..	..	..	..	..	3	4	1	2	2	1
134. XV.—Still Births.																																						
Group Total	27	27	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	10	....	27	....	....	27	....	....	5	1	2	..	1	..	4	2	4	3	2	3

CAUSES OF DEATH BY COUNTIES—IN MIDDLESEX, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	30 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	1323	291	23	16	6	3	14	17	24	78	77	85	117	166	213	173	20	698	621	4	841	427	55	579	714	30	133	166	113	120	84	104	72	121	96	113	96	105
I.—GENERAL DISEASES.																																						
(A.—Epidemic Diseases.)																																						
Group Total	44	6	2	4	..	1	2	..	..	2	6	1	4	1	6	5	1	20	24	....	31	10	3	25	18	1	7	10	3	3	3	2	2	4	4	4	2	..
1. Typhoid Fever	11	....	..	..	..	..	..	..	..	2	4	3	2	..	..	..	..	..	6	5	....	8	2	1	7	1	....	..	..	..	..	1	..	..	3	3	2	2	..
6. Whooping Cough	5	1	1	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	4	....	5	....	....	5	....	....	1	2	1	..	1	..	..	..	..	..	..	..
7. Diphtheria and Croup	4	..	..	1	..	1	1	..	..	..	1	..	..	..	..	..	..	..	2	2	....	3	1	....	3	1	....	1	2	..	..	..	..	..	1	..	..	..	..
8. Influenza	15	..	1	..	..	..	..	..	..	..	1	..	2	1	6	3	1	..	4	11	..	7	7	1	4	10	1	5	6	2	1	1	..	..	..	..	..	..	..
9. Dysentery	4	3	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	3	1	....	1	..	..	1	..	..	..	..	..	..	..	..	2	2	..	..	..	..	..
10. Erysipelas	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Other Epidemic Diseases	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	..	..	3	..	....	2	1	....	1	2	....	..	..	..	..	1	..	..	..	..	1	..	..	..
(B.—Other General Diseases.)																																						
Group Total	252	12	2	1	1	1	4	3	14	36	31	31	38	39	28	5	6	118	134	....	177	61	14	105	142	5	23	31	25	19	19	23	13	27	18	19	12	23
12. Septicæmia	10	..	..	..	..	..	..	..	..	4	..	..	1	1	2	1	1	6	4	....	7	3	....	4	5	1	2	2	1	..	..	1	1	1	1	..	..	..
13. Tuberculosis of Lungs	98	1	1	..	1	..	1	2	10	30	23	12	8	6	2	..	1	40	58	....	83	10	5	56	41	1	4	14	13	11	7	11	5	5	4	10	6	8
14. Tuberculosis of Larynx	5	2	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	4	1	....	5	....	....	1	4	....	..	1	..	1	..	..	1	..	..	..	..	..	..
15. Tuberculous Meningitis	8	5	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	5	3	....	7	1	....	6	1	1	1	..	1	..	2	1	1	..	1	..	..	1
16. Abdominal Tuberculosis	2	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	..	....	1	....	1	2	..	....	..	..	..	..	1	..	..	1	..	..	..	..
20. Tuberculosis of other organs	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	..	1	....	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
21. General Tuberculosis	4	1	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	3	1	....	1	..	..	2	2	....	1	..	..	..	..	..	1	..	..	2	..	..
23. Venereal Diseases	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	..	1	..	..	..	..	..
24. Cancer of Mouth	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	....	1	..	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	20	..	..	..	..	..	..	..	..	..	..	3	5	7	4	..	1	13	7	....	12	6	2	2	18	....	2	2	1	1	2	2	..	5	1	2	..	..
26. Cancer of Intestines	6	..	..	..	..	..	..	..	..	..	1	..	..	3	2	..	..	4	2	....	1	4	1	1	1	....	..	..	..	..	..	..	..	2	2	1	..	..
27. Cancer of Genital Organs	6	..	..	..	..	..	..	..	..	..	..	3	1	..	1	..	1	....	6	....	5	1	....	....	6	....	..	2	..	..	..	..	..	..	2	1	..	1
28. Cancer of Breast	3	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	....	3	....	1	2	....	....	3	....	1	..	..	..	..	..	1	..	1	..	..	..	..
29. Cancer of Skin	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	1	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	35	..	1	..	..	..	..	..	..	..	..	4	9	10	10	..	1	15	20	....	16	16	3	10	21	1	2	..	3	3	2	3	3	3	5	2	2	3	4
31. Tumors	5	1	..	..	..	..	..	..	..	..	1	..	1	1	1	..	..	1	4	....	4	1	....	2	3	....	..	..	1	..	..	1	..	..	..	..	..	..	..
32. Rheumatism	20	..	..	..	..	1	1	..	1	..	1	4	4	1	5	2	..	6	14	....	12	6	2	8	12	....	3	..	2	..	2	..	3	..	3	..	2	..	..
33. Diabetes	12	..	..	..	..	..	..	..	3	1	2	2	1	3	..	..	..	8	4	....	8	4	....	6	6	....	3	..	1	..	2	3	..	3	..	2	..	..
34. Anæmia, Leukæmia	13	..	..	..	..	..	..	..	..	..	1	2	4	5	1	..	..	8	5	....	9	4	....	2	11	....	2	1	1	2	2	..	1	2	1	..	1	..
35. Alcoholism	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	....	..	1	..	1	..	....	..	..	..	..	..	..	..	..	..	..	..	..	1
II.—DISEASES OF NERVOUS SYSTEM.																																						
Group Total	151	25	3	2	..	1	1	3	2	9	8	12	16	19	32	16	2	84	67	....	97	16	8	63	84	4	21	20	6	16	10	12	11	13	11	11	7	13
38. Encephalitis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
39. Meningitis	16	6	2	1	..	1	1	1	1	1	..	1	..	1	..	..	..	..	10	6	....	14	2	....	15	1	....	1	..	1	..	1	..	..	3	2	1	3	1	3

MIDDLESEX.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
40. Locomotor Ataxia	4	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	4	..	..	3	1	..	..	3	1	..	..	..	..	..	2	..	..	..	..	2	..
41. Other Diseases of Spinal Cord	3	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	2	1	..	1	1	1	1	1	1	..	..	..	..	..	..	1	2	..	..	..	2
42. Apoplexy	48	..	..	..	..	..	..	..	..	1	1	2	9	12	15	6	2	26	22	..	25	22	1	7	39	2	6	9	3	5	3	4	4	4	5	3	..	1
43. Softening of Brain	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	3
44. Paralysis	37	..	..	..	..	..	..	..	..	2	1	4	4	4	14	8	..	21	16	..	16	17	4	6	31	..	6	6	2	6	3	2	2	..	2	2	3	..
45. General Paralysis of Insane	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1
46. Other forms of Mental Disease	4	1	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	2	2	..	3	..	1	2	2	..	1	..	..	..	1	..	..	..	1	..	..	..
47. Other Diseases of Brain	5	1	1	..	..	..	..	..	..	1	1	..	..	..	1	..	..	2	3	..	5	..	..	3	2	..	2	2	..	..	..	1	..	..	1	..	..	..
48. Epilepsy	8	..	..	..	..	..	2	..	..	1	3	1	1	..	..	..	..	5	3	..	7	1	..	8	..	..	1	1	..	4	..	..	1	..	..	1	..	2
49. Convulsions	18	14	..	1	..	..	..	1	..	1	..	1	..	..	..	..	..	8	10	..	18	..	..	16	2	..	3	2	..	..	3	3	..	2	1	1	1	..
50. Tetanus	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..
51. Other Diseases of Nervous System	4	1	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	1	3	..	4	..	..	3	1	..	..	..	..	..	..	..	1	1	1	..	..	1
III.—Diseases of Circulatory System.																																					
Group Total	**114**	5	1	1	..	..	1	2	1	1	2	8	14	29	24	25	..	63	51	..	49	61	4	25	87	2	12	10	10	10	7	14	6	10	5	12	9	9
52. Pericarditis	3	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	1	2	..	1	2	..	..	2	1	..	2	..	..	1	..	..	..	..	..	..	..
53. Endocarditis	8	..	..	1	..	..	1	..	..	..	1	1	2	2	..	..	..	2	6	..	7	1	..	4	3	1	..	..	1	1	..	1	1	1	1	..	..	2
54. Heart Disease	65	3	1	..	..	..	2	1	..	1	..	6	9	14	15	13	..	33	32	..	28	35	2	13	52	..	7	5	6	4	5	11	5	7	2	6	3	4
55. Angina Pectoris	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	1	..	1	1	..	..	2	..	..	..	..	..	1	..	..	..	..	..	1	..
56. Diseases of Arteries	29	..	..	..	..	..	..	..	..	..	..	1	1	11	5	11	..	22	7	..	7	20	2	5	21	..	5	2	1	3	1	..	..	2	2	5	5	..
57. Embolism and Thrombosis	3	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	2	..	2	1	..	1	2	..	..	..	..	1	..	1	..	..	..	1	..	..
60. Other Diseases of Circulatory System	4	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	3	1	..	3	1	..	2	2	..	..	1	2	1	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																					
Group Total	**145**	22	5	2	3	..	3	..	..	6	5	9	13	15	35	20	3	62	83	..	81	60	4	48	95	2	28	24	25	13	7	7	6	4	4	8	11	7
61. Diseases of Larynx	3	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	..	..	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..
63. Acute Bronchitis	12	3	1	..	..	..	..	..	..	..	..	..	..	3	..	4	1	4	8	..	6	6	..	6	6	..	2	2	2	1	1	..	..	1	..	1	1	1
64. Chronic Bronchitis	15	..	..	..	..	..	..	..	..	..	..	..	1	4	6	..	2	4	11	..	7	8	..	3	12	..	2	2	1	2	1	..	1	..	..	1	3	1
65. Broncho-pneumonia	8	6	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	7	..	7	1	..	6	2	..	1	2	3	..	..	1	..	..	..	..	..	1
66. Pneumonia	86	11	3	2	2	..	2	..	..	5	4	7	8	8	22	12	..	40	46	..	46	36	4	27	58	1	18	15	15	9	3	6	3	2	2	2	7	4
67. Pleurisy	3	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	2	..	1	1	..	..	2	..	..	..	..	..	..	..	1	1	..	..	..	..
68. Congestion of Lungs	8	..	..	..	..	..	..	..	..	..	1	1	2	..	3	1	..	4	4	..	4	4	..	1	7	..	4	1	2	..	1	..	..	..	..	..	..	..
70. Asthma and Emphysema	6	..	..	..	..	..	..	..	..	..	..	..	1	2	2	1	..	4	2	..	4	2	..	..	5	1	..	1	2	..	1	..	..	..	2	..	..	..
71. Hemorrhage of Lungs	3	..	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	1	2	..	1	2	..	1	2	..	..	..	..	1	..	..	..	..	..	2	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	2	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	..	2	..	..	1	1	..	1	..	..	..	..	..	1	..	..	..	..	..
V.—Diseases of Digestive System.																																					
Group Total	**108**	51	1	3	1	..	2	4	3	5	5	3	8	7	6	9	..	64	44	..	88	15	5	76	30	2	1	13	5	9	4	4	6	17	18	19	6	6
76. Ulcer of Stomach	4	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	..	2	2	..	2	2	..	3	1	..	..	1	1	..	..	..	1	..	..	1	..	..
77. Gastritis	5	3	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	2	3	..	4	1	..	4	1	..	..	..	..	..	..	2	..	1	2	..	..	..
78. Other Diseases of the Stomach	9	4	..	..	..	..	..	1	..	..	1	..	1	..	1	1	..	4	5	..	7	2	..	6	3	..	..	..	2	1	1	..	..	3	..	2	..	..
80. Diarrhœa and Enteritis (under 2 years)	41	40	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	17	..	41	..	..	41	..	..	1	1	..	..	2	1	2	10	12	9	3	..
81. Diarrhœa and Enteritis (2 years and over)	10	..	..	2	..	..	..	..	..	..	2	2	1	..	..	3	..	7	3	..	6	2	2	5	4	1	..	1	1	1	..	..	..	1	1	4	1	..
82. Hernia	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	2
83. Obstruction of Intestines	8	1	..	..	..	..	..	..	..	..	..	1	..	3	2	1	..	4	4	..	5	2	1	3	5	..	..	1	..	2	1	..	..	1	1	..	..	1
84. Other Diseases of Intestines	4	1	..	..	1	..	..	..	..	..	..	..	1	..	1	..	..	4	..	..	3	1	..	2	2	..	..	1	..	..	..	..	..	..	..	1	1	1
85. Acute Yellow Atrophy of Liver	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2	..	2	..	..	..	2	..	..	1	..	..	1	..	..	..	..	..	..	..
87. Cirrhosis of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1

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MIDDLESEX.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XIII.—Violence and Other External Causes.																																						
Group Total	58	...	2	1	..	..	..	1	3	10	9	8	3	6	6	3	3	45	13	....	32	22	4	23	32	3	3	7	3	5	5	7	6	6	2	1	7
120. Suicides	1	....	..	..	..	..	..	..	..	....	1	1	....	2	..	..	..	3	1	....	4	....	..	1	3	....	2	..	..	1	..	..	..	..	..	..	..	1
121. Fractures and Dislocations	2	....	..	..	..	..	..	..	..	2	..	..	..	..	3	1	..	7	1	....	3	4	1	2	5	1	..	..	1	1	..	2	1	..	..	1	..	..
122. Burns and Scalds	2	....	1	..	..	..	..	1	..	..	1	..	....	..	..	..	..	....	3	....	2	1	....	2	1	....	2	1	..	..	..	..	..	..	..	..	..	..
123. Physical Phenomena	1	....	..	..	..	..	..	..	..	....	2	1	....	1	..	..	..	3	1	....	4	....	..	1	2	1	..	2	..	..	..	..	1	..	..	..	..	1
124. Drowning	6	....	1	..	..	..	..	2	..	1	1	..	....	..	1	..	..	6	....	....	3	3	....	5	1	....	..	..	..	..	..	1	1	4	..	..	..	..
125. Inhalation of Poisonous Gases	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
126. Other Accidental Poisonings	4	....	..	..	..	..	..	..	..	....	..	1	1	1	..	..	1	4	....	....	2	2	....	1	3	....	..	1	1	..	1	..	..	..	..	..	..	1
127. Other Accidental Traumatisms	26	..	..	1	..	..	..	1	3	7	3	4	....	2	1	2	2	20	6	....	14	9	3	10	15	1	1	3	..	3	2	3	1	6	2	1	1	3
129. Homicide	1	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	1	1	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	1
XIV.—Ill-defined Diseases.																																						
Group Total	98	4	6	1	..	..	..	1	1	4	2	8	9	18	30	10	4	47	51	....	55	40	3	27	64	7	10	4	8	12	8	9	4	11	6	7	9	7
130. Dropsy	8	....	..	..	..	..	..	1	..	....	..	..	1	1	4	..	1	3	5	....	3	5	....	3	4	1	..	..	..	2	2	3	..	..	..	1	..	..
131. Heart Failure	48	....	..	..	..	..	..	..	1	3	2	5	4	9	17	6	1	19	29	....	26	20	2	6	40	2	9	1	7	7	4	3	..	6	..	5	2	5
132. Other ill-defined causes	17	2	2	..	..	..	..	..	..	..	..	3	2	3	4	..	..	10	7	...	12	5	....	9	8	....	1	1	..	1	2	3	1	3	..	1	1	..
133. Unknown causes	25	2	3	1	..	..	..	..	..	1	..	..	2	5	5	4	2	15	10	....	14	10	1	9	12	4	..	2	1	2	..	1	3	5	3	1	5	2
134. XV.—Still-Births.																																						
Group Total	60	60	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	32	26	2	60	....	....	60	....	....	5	10	3	7	3	8	2	5	2	5	5	5

CAUSES OF DEATH BY COUNTIES—IN MUSKOKA, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	275	79	5	2	3	2	9	6	17	37	17	11	17	22	22	24	2	148	127	.....	187	66	22	154	106	15	22	23	29	29	18	16	18	25	27	28	20	20
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	13	3	1	1	2	2	..	1	..	2	..	..	..	1	..	..	..	6	7	....	11	2	....	9	3	1	..	2	3	4	..	1	..	1	2	..	..	..	..
1. Typhoid Fever	2	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	1	....	2	....	....	1	....	1	..	..	..	..	..	..	..	..	2	..	..	..	..
6. Whooping Cough	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	5	1	1	..	1	1	..	1	..	....	..	..	....	..	..	..	..	4	1	....	5	....	....	5	....	....	..	..	1	1	2	..	1	..	..	..	..	..
8. Influenza	5	1	..	1	1	..	..	..	..	1	..	..	....	1	..	..	..	1	4	....	3	2	....	2	3	....	..	..	1	1	2	..	..	1	..	..	..	..

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MUSKOKA.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
91. Peritonitis, Non-Puerperal	4	1	..	..	..	..	..	..	2	....	..	..	1	..	..	..	..	1	3	....	4	....	....	3	1	....	..	1	1	1	..	..	..	..	1	..	..	..
92. Appendicitis	2	....	..	..	..	..	..	1	..	1	..	..	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	1	..	..	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	6	1	..	..	..	..	..	..	1	....	2	..	1	..	1	..	..	4	2	....	4	2	....	2	4	....	..	1	1	1	1	..	..	..	..	1	1
94. Acute Nephritis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	..	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
95. Bright's Disease	3	....	..	..	..	..	..	..	..	....	1	..	1	..	1	..	..	2	1	....	1	2	....	1	2	....	..	..	1	..	1	..	..	..	..	1	..
96. Other Diseases of Kidneys	2	....	..	..	..	..	..	1	....	1	..	..	....	..	..	..	..	1	1	....	2	....	....	....	2	....	..	1	..	..	..	..	..	..	..	..	..	1
VII.—The Puerperal State.																																						
Group Total	2	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	....	2	....	....	1	1	..	2	....	..	..	..	1	..	..	..	..	1	..	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	1	..	..	..
108. Other causes incident to Childbirth	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	2	..	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	1	1	....	....	2	....	....	2	....	1	..	..	..	..	1	..	..	..	..	..	..
109. Gangrene	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
X.—Malformations.																																						
Group Total	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	..	....	2	....	....	1	..	1	..	..	..	..	..	..	..	..	..
116. Congenital Malformations (Still Births excluded)	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	..	....	2	....	....	1	..	1	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	32	32	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	15	....	32	....	...	32	....	....	1	2	3	6	1	1	2	1	3	4	4	4
117. Premature Birth	12	12	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	8	...	12	....	....	12	....	....	..	1	1	2	..	1	..	1	..	3	1	2
118. Congenital Debility	20	20	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	13	7	....	20	....	....	20	...	....	1	1	2	4	1	..	2	..	3	1	3	2
119. XII.—Old Age.																																						
Group Total	15	....	..	..	..	..	..	..	..	....	..	..	....	1	4	9	1	8	7	....	2	11	2	....	13	2	1	2	2	..	..	2	..	2	2	..	2	2
XIII.—Violence and Other External Causes.																																						
Group Total	17	....	..	1	..	..	2	..	2	6	4	..	1	..	1	..	..	13	4	....	9	5	3	10	5	2	..	..	2	..	4	1	3	2	2	1	..	2
120. Suicides	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	....	1	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
122. Burns and Scalds	2	..	..	1	..	..	1	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	1	..	..	..	..	..	..	..	..	1
124. Drowning	8	....	..	..	..	..	1	..	1	4	..	..	1	..	1	..	..	7	1	....	3	3	2	5	1	2	..	..	..	..	2	1	2	2	1	..	..	..
127. Other Accidental Traumatisms	4	....	..	..	..	..	..	..	1	2	1	..	....	..	..	..	..	4	....	....	3	1	....	3	1	....	..	..	..	..	..	..	1	..	1	1	..	1
129. Homicide	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	..	..	1	....	..	..	..	..	..	1	..	..	..	..	..	..

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NIPISSING.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
II.—Diseases of Nervous System.																																						
Group Total	38	13	2	5	..	1	2	2	..	....	3	2	1	2	2	..	..	16	22	....	33	4	1	27	10	1	6	5	5	2	2	1	3	2	5	2	2	3
38. Encephalitis	2	...	..	1	..	..	1	..	..	....	..	..	....	..	..	..	..	...	2	...	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	1
39. Meningitis	7	4	1	..	..	1	..	1	..	....	..	..	....	..	..	..	..	3	4	....	7	....	....	7	....	....	1	1	2	..	..	2	..	..	..	..	1
41. Other Diseases of Spinal Cord	2	....	..	..	..	..	1	..	..	....	1	..	....	..	..	..	..	1	1	....	2	....	....	1	....	1	..	..	..	..	..	..	..	..	..	1	..	1
42. Apoplexy	5	....	..	..	..	..	..	..	..	....	..	1	2	1	1	..	..	4	1	...	2	3	....	....	5	....	..	2	1	..	..	1	..	..	..	..	..	..
44. Paralysis	4	....	..	1	..	..	..	..	..	....	..	..	1	1	1	..	..	....	4	....	3	1	....	2	2	....	1	..	1	..	..	1	..	1	..	1	..	..
47. Other Diseases of Brain	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	.	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
49. Convulsions	15	9	1	3	..	..	..	1	..	...	1	..	....	..	..	..	..	5	10	....	15	....	....	14	1	....	4	1	1	1	2	..	1	4	..	..	1
51. Other Diseases of Nervous System	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	2	....	...	1	....	1	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	23	....	..	..	..	..	..	..	..	1	2	6	8	4	..	2	..	..	11	12	....	17	6	....	5	18	....	..	..	2	5	..	5	3	..	2	..	3	..	3
53. Endocarditis	1	....	..	..	..	..	..	..	..	....	1	1	....	2	..	..	..	1	3	....	3	1	....	....	4	....	..	..	..	1	..	2	..	..	..	1	..	..
54. Heart Disease	15	....	..	..	..	..	..	..	1	2	3	5	2	..	2	..	..	9	6	....	11	4	....	5	10	....	..	2	4	..	2	2	..	2	..	2	..	1
57. Embolism and Thrombosis	1	....	..	..	..	..	..	..	..	...	1	..	....	..	..	..	..	....	1	....	1	....	..	....	1	....	..	..	..	..	..	..	1	..	..	..	..	2
60. Other Diseases of Circulatory System	3	....	..	..	..	..	..	..	..	....	1	2	....	..	..	..	..	1	2	....	2	1	..	....	3	....	..	..	..	..	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	69	24	6	5	1	..	1	1	5	5	2	5	5	3	2	1	5	44	25	....	58	7	4	54	12	3	9	14	10	11	6	4	1	2	1	6	1	4
61. Diseases of Larynx	1	...	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	..	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	12	6	2	..	..	..	1	..	..	....	..	..	2	..	1	..	..	7	5	...	12	....	..	10	2	....	3	2	..	3	1	..	..	1	..	2	..	..
64. Chronic Bronchitis	3	1	..	..	..	..	..	..	..	....	..	1	....	1	..	..	..	1	2	....	3	....	....	1	2	....	..	..	..	2	..	1	..	..	..	..	..	..
65. Broncho-pneumonia	12	5	1	2	..	..	..	..	..	....	..	1	....	..	..	..	3	8	4	....	9	1	2	9	1	2	2	2	2	3	..	..	..	..	..	1	2	1
66. Pneumonia	38	12	3	3	..	..	..	1	5	4	2	..	3	2	..	1	2	25	13	....	31	6	1	32	5	1	3	10	7	3	5	3	1	1	1	3	..	1
70. Asthma and Emphysema	2	....	..	..	1	..	..	..	..	....	..	..	....	..	1	..	..	1	1	....	1	....	..	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
71. Hemorrhage of Lungs	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	87	60	1	3	1	2	..	2	2	6	1	1	3	1	1	..	..	55	32	....	80	5	2	80	5	2	5	7	5	3	5	4	13	15	14	8	6	2
74. Tonsilitis	4	3	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	2	2	....	4	....	....	1	....	....	..	1	..	1	1	1	..	..	..	..	..	..
75. Other Diseases of Pharynx	2	1	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	2	....	....	1	1	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	8	7	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	4	1	....	8	....	....	7	1	....	..	2	2	..	..	..	4	..	..	..	..	..
79. Dentition	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	3	....	1	....	....	1	....	....	..	..	..	..	..	..	2	..	..	1	..	..
80. Diarrhœa and Enteritis (under 2 years)	47	43	4	..	..	..	..	..	..	....	..	..	....	..	..	..	..	29	18	....	46	1	....	47	....	....	1	..	2	2	2	1	9	10	10	5	4	1
81. Diarrhœa and Enteritis (2 years and over)	7	....	..	2	1	1	..	..	..	1	..	..	....	1	1	..	..	7	....	....	5	2	....	5	1	1	..	1	..	..	..	1	..	1	1	2	..	..
83. Obstruction of Intestines	1	....	..	1	..	..	..	..	..	..	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
84. Other Diseases of Intestines	2	1	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	1	....	2	....	....	1	....	1	..	..	..	..	..	..	1	..	..	..	..	..
87. Cirrhosis of Liver	2	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	1	..	..	..	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
91. Peritonitis, Non-puerperal	3	....	..	..	..	..	..	..	..	1	1	1	....	..	..	..	..	2	1	....	2	....	1	2	1	....	..	..	..	..	..	..	1	..	..	1	1	..
92. Appendicitis	6	1	..	..	..	..	..	2	..	3	..	..	....	..	..	..	..	3	3	....	4	1	1	6	....	....	2	2	..	..	..	..	1	..	..	..	..	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	22	1	..	..	1	2	..	..	..	3	4	3	3	2	2	..	1	12	10	....	11	6	5	8	11	3	3	2	4	3	..	1	..	2	..	1	4	2
94. Acute Nephritis	4	1	..	..	..	2	..	..	..	....	..	..	....	..	..	..	1	4	....	....	3	..	1	3	....	1	..	..	2	1	..	..	..	..	..	1	..	..
95. Bright's Disease	12	....	..	..	..	..	..	..	..	..	2	3	3	1	2	1	..	6	6	....	3	5	4	3	7	2	2	2	1	..	..	1	..	1	..	3	2	

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CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1. 0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	385	74	11	5	5	1	6	9	10	20	14	17	21	33	78	69	12	199	186	....	286	51	48	151	219	15	36	46	41	35	27	28	33	22	28	45	19	25
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	33	2	1	..	1	1	4	..	1	7	1	3	1	1	6	4	..	19	14	....	28	2	3	13	17	3	1	11	5	3	1	1	2	2	4	2	..
1. Typhoid Fever	13	1	1	..	..	..	..	..	1	6	..	3	....	1	..	..	..	11	2	....	11	....	2	5	5	3	1	..	2	1	..	..	1	1	2	3	2	..
2. Malarial Fever	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Scarlet Fever	2	....	..	..	..	..	2	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	....	1	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	4	....	..	..	1	1	2	..	..	....	..	..	..	..	..	..	..	2	2	....	4	....	....	4	....	....	....	3	..	1	..	..	..	..	..	..	..	..
8. Influenza	12	1	..	..	..	..	..	..	..	....	1	..	1	..	5	4	..	5	7	....	10	2	....	2	10	....	....	6	3	..	1	1	....	....	....	....	....	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
(B.—Other General Diseases.)																																						
Group Total	49	1	..	..	2	..	..	5	5	4	5	6	6	3	8	2	2	17	32	....	40	4	5	17	31	1	4	3	7	6	2	8	4	5	3	5	..	2
12. Septicæmia	2	....	..	..	..	..	..	1	1	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	....	..	..	..	..	1	..	..	..	1	..	..
13. Tuberculosis of Lungs	21	....	..	..	1	..	..	2	2	4	4	3	2	2	..	..	1	7	14	....	18	1	2	8	13	....	3	..	4	2	..	2	4	2	2	1	..	1
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..	..	..	..
21. General Tuberculosis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	....	2	....	2	....	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
29. Cancer of Skin	4	....	..	..	..	..	..	..	..	....	..	..	2	2	..	..	..	3	1	....	2	2	....	....	4	....	....	1	1	..	..	..	1	1	..	..	..	..
30. Cancer of other Unspecified Organs	6	....	..	..	..	..	..	..	..	....	1	1	....	3	2	..	..	1	5	....	3	1	2	1	5	....	....	..	1	1	..	..	..	1	..	2	..	1
32. Rheumatism	5	....	..	..	..	..	2	..	1	....	..	1	1	..	..	..	..	4	1	....	5	....	....	3	2	..	1	1	1	..	..	1	..	..	1	..	..	..
33. Diabetes	2	....	..	..	1	..	..	..	..	....	..	..	1	..	..	..	..	1	1	....	2	....	....	1	1	..	..	..	..	..	..	1	..	..	1	..	..	..
34. Anæmia, Leukæmia	4	1	..	..	..	..	..	..	..	....	..	..	1	..	1	..	1	....	4	....	3	....	1	1	3	..	....	..	..	..	1	..	1	1	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	39	8	3	1	..	..	..	2	..	....	..	1	3	4	14	2	1	19	20	....	28	5	6	18	19	2	4	5	4	5	6	..	7	2	1	2	2	1
38. Encephalitis	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	..	..	..	1	..	..	..	..	..	..	..
39. Meningitis	3	....	1	1	..	..	..	1	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	1	..	..	..	2	..	..	..	..	..	..	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	1	....	....	....	..	..	..	1	..	..	..	..	..	..	..
42. Apoplexy	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	1	....	....	....	..	..	..	1	..	..	..	..	..	..	..
43. Softening of Brain	13	....	..	..	..	..	..	..	..	....	1	2	3	6	1	..	..	6	7	....	7	3	3	1	10	2	..	2	..	1	2	..	..	3	1	..	2	1	1
44. Paralysis	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	2	....	....	1	....	1	..	2	....	1	..	..	..	..	..	..	1	..	..	..	..	..
48. Epilepsy	8	....	..	..	..	..	..	1	..	....	..	..	....	..	6	1	..	2	6	....	5	2	1	2	6	....	1	2	3	1	..	..	1	..	..	..	..	..
49. Convulsions	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	1	..	....	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..	..	..	..
	9	8	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	7	2	....	9	....	....	9	....	....	1	1	..	..	3	..	1	1	1	..	..	..

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NORFOLK.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
X.—Malformations.																																						
Group Total	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	1	..	..	..	..	..	..	..	..	1	..
116. Congenital Malformations (Still Births excluded)	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	.	2	..	...	2	.	....	..	1	..	..	..	..	..	..	..	..	1	..
XI.—Early Infancy.																																						
Group Total	24	24	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	7	....	24	....	....	24	....	....	2	..	1	1	4	3	3	1	2	3	1	3
117. Premature Birth	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	...	...	4	....	....	4	....	....	..	..	..	..	..	..	1	1	1	..	..	1
118. Congenital Debility	20	20	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	13	7	....	20	...	....	20	....	....	2	..	1	1	4	3	2	..	1	3	1	2
119. XII.—Old Age.																																						
Group Total	38	....	..	..	..	..	..	..	..	....	..	..	....	..	4	34	..	23	15	....	16	14	8	4	34	....	2	6	3	6	2	4	5	1	3	1	2	3
XIII.—Violence and other External Causes.																																						
Group Total	13	1	1	1	2	..	..	..	..	3	1	..	....	1	..	3	..	10	3	....	9	1	3	8	4	1	1	1	1	1	....	1	2	2	2	..	2
121. Fractures and Dislocations	2	...	..	..	..	..	..	..	..	....	1	..	....	..	..	1	..	2	....	....	2	....	....	....	2	....	..	1	..	1	..	..	..	..	..	..	..	..
124. Drowning	2	...	1	..	..	..	..	..	..	1	..	..	....	..	..	..	..	2	....	....	2	....	....	3	....	..	1	..	..	..	..	..	..	..	..	1	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	..	....	1	.	1	.	..	..	..	..	..	..	..	..	1	..	..	..
127. Other Accidental Traumatisms	8	1	..	1	2	..	..	..	..	2	..	..	....	..	..	2	..	5	3	..	5	1	2	6	1	1	..	..	1	..	..	..	1	2	1	1	..	2
XIV.—Ill-Defined Diseases.																																						
Group Total	28	4	..	..	..	..	..	..	1	....	..	2	1	3	9	7	1	15	13	....	24	3	1	8	20	....	5	3	3	3	1	2	1	4	2	1	..	..
131. Heart Failure	21	....	..	..	..	..	..	..	1	....	..	1	1	3	8	7	..	13	8	....	18	3	....	2	19	....	5	2	2	2	4	2	1	3	..	..	..	..
132. Other ill-defined causes	5	4	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	4	....	4	....	1	4	1	....	..	..	1	..	..	..	..	1	2	1	..	..
133. Unknown causes	2	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	1	1	1	....	2	....	....	2	....	....	..	1	..	1	..	..	..	..	..	..	..	..
134. XV.—Still Births.																																						
Group Total	17	17	..	..	..	..	..	..	..	.	..	..	....	..	..	..	..	11	6	....	17	....	...	17	....	....	..	..	1	2	..	2	1	..	3	4	..	4

CAUSES OF DEATH BY COUNTIES—IN NORTHUMBERLAND AND DURHAM, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	827	167	18	9	7	2	12	8	21	48	56	38	64	104	157	112	4	430	397	....	555	221	51	383	371	63	61	71	66	76	65	54	62	69	88	69	68	78
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	44	7	2	2	1	..	7	2	1	4	3	1	2	6	2	4	..	26	18	....	32	12	....	25	18	1	4	2	1	..	1	1	2	8	8	6	3	8
1. Typhoid Fever	9	....	..	..	..	..	..	..	1	3	1	1	1	2	..	..	..	7	2	....	8	1	....	4	4	1	..	..	..	..	..	..	..	3	2	2	2	2
4. Measles	1	1	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
5. Scarlet Fever	3	....	1	..	..	..	2	..	..	....	..	..	..	..	..	..	..	1	2	....	3	....	....	3	....	....	2	..	..	..	..	..	..	..	..	..	..	1
6. Whooping Cough	5	3	..	1	1	..	..	..	..	....	..	..	..	..	..	..	..	3	2	....	4	1	....	5	....	....	..	..	..	..	..	1	2	..	..	..	..	2
7. Diphtheria and Croup	5	1	1	..	..	..	1	1	..	....	1	..	..	..	..	..	..	3	2	....	5	....	....	4	1	....	..	1	..	..	1	..	..	..	..	2	..	1
8. Influenza	6	....	..	..	..	..	..	..	..	1	..	..	1	1	..	3	..	4	2	....	2	4	....	....	6	....	2	1	..	..	..	..	..	..	..	..	..	2
9. Dysentery	14	2	..	1	..	..	4	1	..	..	1	..	..	2	2	1	..	7	7	....	8	6	....	8	6	....	..	..	..	..	..	..	..	8	5	..	1	2
10. Erysipelas	1	....	..	..	..	..	..	..	..	..	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	122	3	2	1	..	..	..	2	9	17	23	12	20	15	15	3	..	54	68	....	93	19	10	44	64	14	6	10	13	9	13	7	10	12	16	10	3	13
13. Tuberculosis of Lungs	58	3	1	1	..	..	..	2	6	15	17	3	6	4	..	..	..	32	26	....	49	7	2	22	32	4	..	4	7	6	7	4	4	9	6	5	..	6
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	..	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	1	..	..	..
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	....	1	..	..	..	..	..	..	..	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
20. Tuberculosis of other organs	2	....	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	....	1	....	2	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
22. Scrofula	1	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	1	1	....	2	....	....	....	1	1	1	..	..	..	..	1	..	..	..	..	..	..
25. Cancer of Stomach and Liver	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
26. Cancer of Intestines	12	....	..	..	..	..	..	..	..	....	..	..	....	5	6	1	..	5	7	....	6	4	2	1	9	2	..	2	3	..	..	1	2	..	2	..	..	..
27. Cancer of Genital Organs	3	....	..	..	..	..	..	..	..	1	2	..	....	..	..	..	..	....	3	....	3	....	....	....	3	....	..	..	..	..	..	1	..	..	2	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	1
30. Cancer of other Unspecified Organs	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	2	....	....	2	....	....	....	2	....	1	..	..	..	..	..	..	..	..	..	..	1
31. Tumors	12	....	..	..	..	..	..	..	..	1	..	..	4	1	4	2	..	1	11	....	7	3	2	1	10	1	3	1	1	1	1	..	2	..	1	1	1
32. Rheumatism	4	....	..	..	..	..	..	..	..	....	..	1	1	1	1	..	..	2	2	....	3	1	....	1	3	....	..	..	1	..	..	1	..	1	..	..	..	1
33. Diabetes	8	....	..	..	..	..	..	..	1	1	2	2	1	..	1	..	..	5	3	....	6	2	....	3	4	1	..	1	1	..	2	..	1	1	..	..	..	2
34. Anæmia, Leukæmia	6	....	..	..	..	..	..	..	1	....	..	1	2	1	1	..	..	3	3	....	3	2	1	3	3	....	..	2	..	..	1	..	..	1	..	..	..	2
37. Other General Diseases	10	....	1	..	..	..	..	..	1	....	1	3	1	2	1	..	..	3	7	....	7	....	3	2	5	3	1	..	..	..	1	1	..	2	2	3	..	..
	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	94	13	3	..	..	..	..	1	..	8	4	3	8	20	26	8	..	43	51	....	57	32	5	39	45	10	11	9	11	12	8	6	6	8	7	4	4	8
39. Meningitis	8	2	1	..	..	..	..	1	..	1	..	1	1	1	..	..	..	3	5	....	6	....	2	6	2	....	1	2	..	..	1	1	1	1	..	..	..	1
40. Locomotor Ataxia	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	2	....	....	1	1	....	....	2	....	..	1	..	1	..	..	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
42. Apoplexy	26	....	..	..	..	..	..	..	..	....	..	1	2	7	13	3	..	13	13	....	11	13	2	6	15	5	4	5	2	4	1	1	..	1	1	2	1	4

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
43. Softening of Brain	3	....	..	..	..	..	..	..	..	....	..	..	....	..	2	1	..	...	3	....	1	2	....	2	1	....	..	..	1	..	..	1	..	..	..	..	1	..
44. Paralysis	25	....	..	..	..	..	..	..	..	1	1	1	2	8	9	3	..	8	17	....	14	11	....	6	15	4	4	1	5	2	2	2	2	4	2	..	..	1
46. Other forms of Mental Disease	3	....	..	..	..	..	..	..	..	....	..	..	1	1	1	..	..	....	3	....	3	....	....	1	2	....	..	..	1	..	..	..	..	1	1	..	..	..
47. Other Diseases of Brain	2	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	1	....	1	....	1	....	2	....	..	..	..	..	..	1	..	..	..	1	..	..
48. Epilepsy	5	....	..	..	..	..	..	..	..	2	1	..	1	1	..	..	..	4	1	....	3	2	....	3	2	....	1	..	1	..	..	..	..	1	..	1	..	1
49. Convulsions	17	11	1	..	..	..	..	..	..	3	2	..	....	..	..	..	..	10	7	....	16	1	....	14	2	1	1	..	1	4	2	1	3	..	2	..	2	1
51. Other Diseases of Nervous System	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	1	1	....	....	2	....	....	2	....	..	..	..	1	1	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	**70**	1	..	..	..	..	..	..	1	5	5	2	12	15	20	9	..	40	30	....	44	25	1	44	19	7	4	7	5	8	4	3	8	6	3	5	12	5
52. Pericarditis	1	...	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	...	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
53. Endocarditis	4	....	..	..	..	..	..	..	..	....	1	..	1	..	1	1	..	2	2	....	2	2	....	....	4	....	..	..	..	1	..	..	..	2	..	..	1	..
54. Heart Disease	49	1	..	..	..	..	..	1	4	2	2	9	11	13	6	..	27	22	....	33	16	....	42	2	5	4	3	3	5	4	2	4	4	2	5	9	4
55. Angina Pectoris	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	1	..	2	1	....	1	2	....	....	3	....	..	3	..	..	..	..	..	..	..	..	..	..
56. Diseases of Arteries	11	....	..	..	..	..	..	..	..	....	..	..	2	3	5	1	..	8	3	....	6	4	1	2	7	2	..	1	2	2	..	1	2	..	1	..	1	1
60. Other Diseases of Circulatory System	2	...	..	..	..	..	..	..	..	1	1	..	...	..	..	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	2	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	**75**	11	1	..	..	..	1	1	..	3	6	8	7	13	16	7	1	40	35	....	46	23	6	23	48	4	9	8	8	8	7	4	1	5	2	6	7	10
61. Diseases of Larynx	2	1	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	2	..	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	2
63. Acute Bronchitis	7	3	..	..	..	..	..	..	..	....	..	..	....	2	1	1	..	2	5	....	4	3	....	5	2	....	1	..	..	..	..	..	1	1	1	..	1	2
64. Chronic Bronchitis	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	....	2	....	....	2	....	1	1	....	..	..	..	..	1	..	..	1	..	..	..	..
65. Broncho-pneumonia	10	2	..	..	..	..	..	..	..	....	..	1	....	2	2	3	..	6	4	..	7	3	....	3	6	1	2	..	1	1	1	1	..	1	..	..	2	1
66. Pneumonia	44	5	1	..	..	..	..	1	..	3	5	6	6	5	9	2	1	28	16	....	28	13	3	12	31	1	5	8	7	6	5	2	..	1	..	4	3	3
67. Pleurisy	5	....	..	..	..	..	1	..	..	....	..	..	....	1	3	..	..	2	3	....	3	2	....	1	4	....	1	..	..	1	..	1	..	1	..	1	..	..
70. Asthma and Emphysema	5	..	..	..	..	..	..	..	..	....	..	1	1	2	1	..	..	2	3	....	2	....	3	....	3	2	..	..	..	..	..	..	..	..	..	1	1	2
V.—Diseases of Digestive System.																																						
Group Total	**95**	30	8	6	4	2	3	..	4	...	6	5	4	8	8	7	..	58	37	....	79	11	5	63	26	6	2	4	2	7	3	5	8	11	25	11	6	8
74. Tonsilitis	2	....	..	..	..	..	1	..	1	....	..	..	....	..	..	..	..	2	....	....	2	....	...	2	....	....	..	1	..	..	..	1	..	..	..	..	..	..
77. Gastritis	4	....	1	..	..	..	..	..	..	....	1	1	..	1	..	..	..	1	3	....	3	....	1	2	2	....	..	..	..	1	..	..	1	..	..	..	..	2
78. Other Diseases of the Stomach	15	2	..	..	1	..	..	..	1	....	1	1	1	3	3	2	..	8	7	....	9	5	1	5	9	1	1	3	..	..	1	2	..	1	1	3	3	..
79. Dentition	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	30	24	6	..	..	..	..	..	..	....	..	..	....	..	..	..	..	21	9	....	30	....	....	30	....	..	..	..	..	..	..	1	3	7	12	4	..	3
81. Diarrhœa and Enteritis (2 years and over)	23	....	..	6	2	2	2	..	2	....	1	1	....	..	2	5	..	12	11	....	17	5	1	14	7	2	..	..	..	1	1	1	5	1	9	4	..	1
82. Hernia	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
83. Obstruction of Intestines	3	2	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	3	....	....	3	....	....	2	1	....	..	..	..	..	..	..	..	1	..	..	1	1
84. Other Diseases of Intestines	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	2	....	....	2	....	....	....	1	1	..	..	..	..	..	1	..	..	1	..	..	..
87. Cirrhosis of Liver	4	....	..	..	..	..	..	..	..	....	..	1	1	2	..	..	..	4	....	....	3	....	1	2	....	....	..	..	1	..	..	..	..	..	1	1	1	..
88. Biliary Calculi	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
89. Other Diseases of Liver	6	..	..	..	..	..	..	..	..	...	1	1	2	1	1	..	..	2	4	...	5	1	....	3	2	1	..	..	1	3	..	..	..	..	..	1	1	..
91. Peritonitis, Non-puerperal	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
92. Appendicitis	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	1	1	..	1	....	1	....	1	1	1	..	..	..	..	..	..	..	..	..	..	1

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NORTHUMBERLAND AND DURHAM.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
125. Inhalation of Poisonous Gases	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..
126. Other Accidental Poisonings	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	1	..	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..
127. Other Accidental Traumatisms	13	..	..	..	..	1	..	2	..	2	..	1	2	2	1	..	2	13	..	..	6	5	2	5	7	1	1	..	1	2	1	2	..	..	2	..	4	..
128. Injuries at Birth	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	..	..	3	..	..	..	..	1	..	1	..	..	..	1	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	**51**	1	1	..	..	..	..	2	2	4	3	2	3	8	17	7	1	22	29	..	31	16	4	11	36	4	3	5	2	7	5	6	9	5	2	2	2	3
130. Dropsy	4	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	1	3	..	3	1	..	..	3	1	1	1	..	1	..	1	..	..	..	..	..	..
131. Heart Failure	32	1	..	..	..	..	..	..	1	2	2	1	3	5	11	6	..	12	20	..	19	11	2	6	25	1	2	3	2	6	4	3	4	3	1	1	2	1
132. Other ill-defined causes	5	..	1	..	..	..	..	1	..	..	..	..	..	1	2	..	..	3	2	..	3	1	1	2	3	..	..	..	..	..	1	2	1	1	..	..	..	..
133. Unknown causes	10	..	..	..	..	..	..	1	1	2	1	1	..	1	1	1	1	6	4	..	6	3	1	3	5	2	..	1	..	..	..	..	4	1	1	1	..	2
134. XV.—Still Births.																																						
Group Total	**42**	42	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	22	..	42	..	..	42	..	..	7	2	..	4	6	1	3	2	6	3	4	4

CAUSES OF DEATH BY COUNTIES—IN ONTARIO, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	11	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	**556**	120	14	7	8	5	13	4	12	30	36	35	37	58	87	77	3	300	256	.....	362	158	36	240	286	30	51	52	41	45	52	70	30	37	46	48	42	42
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	**32**	2	2	2	4	3	7	1	1	1	1	2	1	2	3	..	..	15	17	....	21	8	3	21	7	1	3	3	3	2	1	1	3	4	1	3	4	1
1. Typhoid Fever	7	..	..	..	..	..	2	1	1	1	..	1	....	1	..	..	..	2	5	....	4	1	2	5	1	1	..	..	..	..	1	..	1	..	1	1	..	..
2. Malarial Fever	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	..	1	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1
5. Scarlet Fever	4	..	..	..	1	2	..	..	..	..	..	1	..	..	..	..	..	2	2	....	2	1	1	3	1	....	..	1	1	..	..	..	..	..	..	..	1	1
6. Whooping Cough	7	2	2	1	..	..	2	..	..	..	..	..	..	..	..	..	..	3	4	....	7	..	..	7	..	..	..	1	..	1	..	1	..	1	3	..	1	..	..
7. Diphtheria and Croup	7	..	..	..	3	1	2	..	..	..	..	..	1	..	..	..	..	6	1	....	6	1	....	6	1	....	1	..	1	..	..	..	1	..	1	..	1	..	2
8. Influenza	5	..	..	1	..	..	1	..	..	..	..	..	..	1	2	..	..	1	4	....	2	3	....	3	2	....	2	1	1	1	..	..	..	..	..	..	..	..	..
9. Dysentery	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..

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ONTARIO.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
V.—Diseases of Digestive System.																																						
Group Total	51	20	2	1	1	1	1	..	1	1	6	..	5	2	10	..	..	33	18	....	36	14	1	30	18	3	7	3	3	2	5	6	1	2	10	5	3	4
74. Tonsilitis	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
77. Gastritis	4	1	..	..	..	..	..	..	..	....	3	..	....	..	..	..	..	2	2	....	2	1	1	2	2	....	..	1	..	1	..	..	..	..	..	1	..	1
78. Other Diseases of the Stomach	6	2	..	..	..	..	..	..	..	....	..	..	1	..	3	..	..	5	1	....	3	3	....	2	3	1	2	..	..	..	2	..	..	..	..	..	..	1	1
80. Diarrhœa and Enteritis (under 2 years)	18	16	2	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	10	....	18	....	....	18	....	....	1	..	1	..	1	2	..	1	7	3	..	2
81. Diarrhœa and Enteritis (2 years and over)	4	....	..	1	1	1	..	..	..	....	1	..	....	..	..	..	..	3	1	....	4	....	....	3	1	....	1	..	..	..	1	..	..	..	2	..	..	..
83. Obstruction of Intestines	4	....	..	..	..	..	..	..	..	....	..	..	1	..	3	..	..	2	2	....	....	1	....	1	3	....	1	..	1	..	..	..	1	..	..	1	..	..
84. Other Diseases of Intestines	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	2	....	....	1	1	....	....	2	....	..	..	..	..	..	..	1	..	..	..	1	..
87. Cirrhosis of Liver	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
88. Biliary Calculi	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	2	....	....	1	1	....	....	2	....	..	..	..	1	..	..	1	..	..	..	..	..
89. Other Diseases of Liver	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	2	....	....	....	2	....	....	1	1	1	..	..	..	..	..	..	1	..	..	..	..
91. Peritonitis, Non-puerperal	4	1	..	..	..	..	..	..	1	....	..	..	1	..	1	..	..	2	2	....	3	1	....	2	2	....	..	1	..	..	..	..	2	..	..	..	1	..
92. Appendicitis	3	....	..	..	..	1	..	..	1	1	..	..	....	..	..	..	..	3	....	....	3	....	....	1	1	1	1	1	..	..	..	..	..	1	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	21	1	..	..	..	..	1	..	..	1	3	2	2	3	5	2	1	11	10	....	12	8	1	1	16	1	2	2	1	5	3	1	1	2	1	..	1	2
94. Acute Nephritis	4	1	..	..	..	..	1	..	..	....	..	..	1	..	1	..	..	2	2	....	2	2	....	2	2	....	1	1	..	..	..	..	..	..	..	..	..	2
95. Bright's Disease	10	....	..	..	..	..	..	..	..	1	1	1	1	3	1	2	..	3	7	....	7	3	....	2	8	....	1	..	1	2	3	1	..	..	1	..	1	..
96. Other Diseases of Kidneys	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	1	1	....	2	....	....	....	2	....	..	..	..	1	..	..	..	1	..	..	..	..
98. Diseases of Bladder	2	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	1	2	....	....	....	1	1	....	1	1	..	..	..	1	..	..	1	..	..	..	..	..
99. Diseases of Male Genital Organs (Non-venereal)	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
105. Other Diseases of the Genito-Urinary System	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	2	....	....	....	2	....	....	2	....	..	..	..	1	..	..	..	1	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	10	....	..	..	..	..	..	..	..	7	3	..	....	..	..	..	..	....	10	....	7	3	....	....	10	....	2	2	..	..	..	2	1	1	1	1	..	..
107. Puerperal Convulsions	3	....	..	..	..	..	..	..	..	3	..	..	....	..	..	..	..	....	3	....	2	1	....	....	3	....	..	1	..	..	..	..	1	1	..	..	..	..
108. Other causes incident to Child-birth	7	....	..	..	..	..	..	..	..	4	3	..	....	..	..	..	..	....	7	....	5	2	....	....	7	....	2	1	..	..	..	..	1	..	1	1	1	..
VIII.—Diseases of Skin.																																						
Group Total	6	....	..	..	..	..	..	..	..	....	..	..	2	1	1	2	..	4	2	....	3	3	....	1	5	....	..	..	..	..	2	2	..	..	1	..	1	..
109. Gangrene	3	....	..	..	..	..	..	..	..	....	..	..	....	..	1	2	..	2	1	....	1	2	....	1	2	....	..	..	..	..	2	1	..	..	..	..	..	..
111. Abscess	3	....	..	..	..	..	..	..	..	....	..	..	2	1	..	..	..	2	1	....	2	1	....	....	3	....	..	..	..	..	..	1	..	..	1	..	1	..
X.—Malformations.																																						
Group Total	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	....	....	4	....	....	4	....	....	1	1	..	1	..	..	..	..	..	..	..	1
116. Congenital Malformations (Still Births excluded)	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	....	....	4	....	....	4	....	....	1	1	..	1	..	..	..	..	..	..	..	1
XI.—Early Infancy.																																						
Group Total	40	40	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	20	20	....	40	....	....	40	....	....	2	5	4	2	3	6	1	2	4	6	3	2
117. Premature Birth	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	5	....	11	....	....	11	....	....	..	3	2	1	..	1	..	1	..	1	1	1
118. Congenital Debility	29	29	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	14	15	....	29	....	....	29	....	....	2	2	2	1	3	5	1	1	4	5	2	1

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
(B.—Other General Diseases.)																																						
Group Total	118	1	..	1	1	..	..	..	7	15	18	20	25	21	4	5	..	50	68	....	97	17	4	31	79	8	10	7	6	14	13	18	5	9	8	10	9	9
12. Septicæmia	4	..	..	..	..	..	..	..	..	..	..	3	..	..	1	..	..	3	1	....	4	..	..	..	3	1	..	1	..	..	..	..	1	..	1	..	1	..	..
13. Tuberculosis of Lungs	35	..	..	..	..	..	..	6	8	13	4	2	..	1	1	..	..	14	21	....	29	3	3	15	19	1	5	1	1	4	6	5	3	1	4	2	1	2
15. Tuberculous Meningitis	3	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	3	..	....	2	1	..	2	1	..	..	..	..	..	1	1	1	..	..	..	..	..
16. Abdominal Tuberculosis	6	..	..	..	1	..	..	..	..	2	1	..	2	..	..	..	..	1	5	....	6	..	..	1	2	..	..	1	..	..	2	2	..	1	..	..	..	..
17. Pott's Disease	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
20. Tuberculosis of other organs	2	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	....	2	..	..	2	..	..	..	..	..	..	..	..	..	..	1	..	..	1
21. General Tuberculosis	3	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	1	2	....	2	..	1	1	2	..	..	..	..	..	..	1	..	1	..	..	..	1
25. Cancer of Stomach and Liver	10	..	..	..	..	..	..	..	..	..	..	..	1	4	..	2	..	3	7	....	8	2	..	..	7	3	..	1	1	1	..	1	..	2	..	1	1	2
26. Cancer of Intestines	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
27. Cancer of Genital Organs	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
28. Cancer of Breast	4	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	..	..	4	....	3	1	..	1	3	..	1	..	..	1	..	..	..	..	..	..	1	..
29. Cancer of Skin	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
30. Cancer of other Unspecified Organs	12	..	..	..	..	..	..	..	..	..	1	1	6	3	1	..	..	7	5	....	10	2	..	..	10	2	..	..	2	2	1	2	1	1	1	..	1
31. Tumors	3	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..	1	2	....	3	..	..	..	3	..	..	..	..	..	..	1	..	..	..	1	..	1
32. Rheumatism	8	..	..	..	..	..	..	..	1	..	1	..	1	4	1	1	..	3	5	....	7	1	..	2	6	..	1	1	..	2	2	..	..	1	..	1	..	..
33. Diabetes	10	..	..	..	..	..	..	..	..	..	1	1	3	2	..	..	..	5	5	....	7	3	..	..	10	..	3	..	..	..	1	..	1	..	..	1	3	1
34. Anæmia, Leukæmia	12	..	..	..	..	..	..	..	1	..	1	..	6	4	..	..	..	4	8	....	8	4	..	2	10	..	..	1	1	2	..	2	..	1	2	1	2	..
35. Alcoholism	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
37. Other General Diseases	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	65	10	2	1	1	..	2	..	3	2	4	4	4	19	13	..	33	32	....	41	21	3	20	42	3	11	3	4	11	6	4	3	7	7	5	2	2
39. Meningitis	11	1	1	1	1	..	..	..	1	2	1	..	..	..	..	..	..	4	7	....	10	1	..	9	2	..	2	1	..	1	2	..	2	1	1	1	..	..
40. Locomotor Ataxia	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	1	....	2	..	..	..	2	..	..	..	..	..	..	..	..	..	1	1	..	..
41. Other Diseases of Spinal Cord	3	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	2	1	....	3	..	..	..	3	..	..	1	..	1	..	..	..	..	1	..	..	..	..
42. Apoplexy	22	..	..	..	..	..	..	..	..	..	..	..	3	3	9	7	..	13	9	....	9	10	3	1	19	2	5	1	1	4	1	1	..	1	4	2	2	..
44. Paralysis	12	..	..	..	..	..	..	..	..	..	..	..	..	..	7	5	..	7	5	....	5	7	..	..	11	1	2	..	3	3	1	..	1	1	..	1	..	..
46. Other Forms of Mental Disease	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
47. Other Diseases of Brain	4	2	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	2	2	....	3	1	..	3	1	..	1	..	..	..	..	1	..	..	1	..	..	1
48. Epilepsy	2	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	....	2	..	..	1	1	..	..	..	..	..	1	1	..	..	..	..	..	..
49. Convulsions	5	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	....	5	..	..	5	..	..	1	..	..	..	1	1	..	1	..	..	..	1
50. Tetanus	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	....	..	1	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	3	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	1	....	1	1	..	..	2	..	..	..	..	..	..	1	..	1	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	50	1	..	..	..	..	1	..	1	2	1	4	3	17	16	4	..	32	18	....	29	19	2	5	39	6	7	1	4	5	2	5	5	3	4	5	5	4
53. Endocarditis	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..
54. Heart Disease	34	1	..	..	..	1	..	1	2	1	3	2	8	12	3	..	19	15	....	19	14	1	5	26	3	6	1	3	5	1	3	4	1	1	4	3	2
55. Angina Pectoris	3	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	3	..	....	2	..	1	..	2	1	..	..	..	..	..	..	1	..	..	..	1	..	1
56. Diseases of Arteries	8	..	..	..	..	..	..	..	..	..	..	..	..	5	2	1	..	7	1	....	3	5	..	..	7	1	1	..	1	..	1	..	1	1	2	..	1	..
57. Embolism and Thrombosis	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	1	....	2	..	..	..	1	1	..	..	..	..	..	..	..	..	1	..	1	..
59. Diseases of Lymphatics	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
60. Other Diseases of Circulatory System	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
X.—Malformations.																																						
Group Total	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	....	....	3	....	....	3	....	....	..	..	..	1	..	1	..	1	..	..	..	..
116. Congenital Malformations (Still Births excluded)	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	....	....	3	....	....	3	...	...	..	..	..	1	..	1	..	1	..	..	..	..
XI.—Early Infancy.																																						
Group Total	40	40	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	28	11	1	10	....	....	40	....	....	..	6	4	1	3	2	4	2	1	8	5	4
117. Premature Birth	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	5	1	11	....	....	11	....	....	..	3	2	..	..	1	1	..	1	1	2	..
118. Congenital Debility	29	29	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	23	6	....	29	....	....	29	....	....	..	3	2	1	3	1	3	2	..	7	3	4
119. XII.—Old Age.																																						
Group Total	54	....	..	..	..	..	..	..	..	....	..	..	....	2	8	44	..	27	27	....	19	30	5	....	50	4	7	7	2	5	4	6	3	5	4	2	8	1
XIII.—Violence and Other External Causes.																																						
Group Total	30	....	1	..	1	..	....	..	1	7	5	6	3	2	3	1	..	26	4	....	21	5	4	10	15	5	5	2	3	2	4	..	2	..	2	4	5	1
120. Suicides	2	....	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	2	....	....	1	1	....	1	1	....	..	..	..	..	..	..	..	..	1	..	1	..
121. Fractures and Dislocations	3	....	..	..	..	..	..	..	..	1	1	..	....	..	1	..	..	2	1	....	2	1	....	1	1	1	1	1	..	..	..	..	..	..	..	..	1	..
122. Burns and Scalds	3	....	1	..	..	..	..	..	..	1	..	1	....	..	..	..	..	2	1	....	3	....	....	1	2	....	..	..	..	..	..	2	..	..	..	..	1	..
124. Drowning	2	....	..	..	1	..	..	..	..	1	..	..	....	..	..	..	..	1	1	....	2	....	....	1	....	1	..	..	..	..	1	..	1	..	..	..	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
127. Other Accidental Traumatisms	19	....	..	..	..	..	..	1	4	4	4	1	2	2	1	..	18	1	....	12	3	4	6	10	3	4	1	3	2	1	..	1	..	1	3	2	1
XIV.—Ill-Defined Diseases.																																						
Group Total	33	1	1	..	..	..	..	1	..	1	7	2	6	5	8	1	..	14	19	....	22	8	3	11	18	4	..	1	3	2	1	3	3	9	2	5	3	1
130. Dropsy	4	....	..	..	..	..	..	..	..	....	..	1	1	2	..	..	..	2	2	....	2	2	....	1	3	....	..	..	..	..	..	1	2	..	..	..	1	..
131. Heart Failure	8	....	1	..	..	..	..	1	..	....	1	..	2	1	2	..	..	5	3	....	8	1	....	1	3	1	..	..	2	2	1	1	..	1	..	1	..	..
132. Other ill-defined causes	9	1	..	..	..	..	..	..	..	....	4	..	2	1	1	..	..	2	7	....	8	1	....	4	5	....	..	1	1	..	..	1	..	2	1	2	1	..
133. Unknown causes	12	....	..	..	..	..	..	..	..	1	2	1	1	1	5	1	..	5	7	....	5	4	3	2	7	3	..	..	..	..	..	..	1	6	1	2	1	1
134. XV.—Still Births.																																						
Group Total	25	25	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	15	10	....	25	....	....	25	....	....	2	..	2	5	6	3	1	1	1	..	2	2

CAUSES OF DEATH BY COUNTIES—IN PARRY SOUND, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	305	99	8	2			5	7	11	43	16	22	16	24	26	21	5	166	137	2	212	70	23	161	117	27	24	27	15	31	22	21	27	26	35	24	25	28
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	30	5	1	..	1	..	1	3	1	10	2	3	1	..	1	..	1	15	11	....	17	11	2	20	7	3	2	3	1	10	4	..	1	..	2	3	2	2
1. Typhoid Fever	20	....	..	..	..	..	1	1	1	10	2	3	1	..	..	..	1	15	5	....	8	10	2	11	6	3	1	1	..	8	3	..	..	..	1	3	2	1
4. Measles	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	1	..	..	..	..	..	..	..
7. Diphtheria and Croup	4	1	1	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	2	....	4	..	....	4	..	....	1	1	1	..	..	..	..	..	..	..	..	1
8. Influenza	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
9. Dysentery	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	2	..	....	2	..	....	..	..	..	..	..	1	..	1	..	..	..	..
10. Erysipelas	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	2	..	....	2	..	....	..	..	..	2	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																					
Group Total	29	....	1	..	..	..	..	..	2	9	2	3	2	7	2	..	1	10	19	...	20	6	3	10	17	2	4	5	1	2	3	2	1	2	4	1	3	1
13. Tuberculosis of Lungs	14	....	1	..	..	..	..	..	..	9	1	1	....	1	..	..	1	5	9	....	12	1	1	7	6	1	1	2	..	..	2	2	1	2	1	..	2	1
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	..	1	..	....	..	..	..	..	....	1	....	1	..	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	5	....	..	..	..	..	..	..	..	..	..	1	....	2	..	..	..	3	....	....	1	2	....	....	2	1	..	..	..	1	..	..	..	..	2	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	....	3	....	2	1	....	....	3	....	1	1	..	..	..	..	..	..	1	..	..	..
30. Cancer of other unspecified organs	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
32. Rheumatism	2	....	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	....	2	....	2	..	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	....	1	....	1	..	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	2	1	....	1	1	1	1	2	....	..	..	..	1	1	..	..	..	..	..	1	..
II.—Diseases of Nervous System.																																					
Group Total	25	6	1	..	..	..	1	2	2	....	1	2	2	4	2	1	1	11	14	....	21	3	1	14	9	2	2	2	2	2	..	4	1	2	1	1	3	5
38. Encephalitis	1	....	..	..	..	..	..	..	..	..	..	..	....	1	..	..	..	1	....	....	....	1	....	1	....	.	..	..	..	..	..	..	..	1	..	..	..	..
39. Meningitis	5	1	1	..	..	..	1	1	..	..	..	..	1	..	..	..	..	3	2	....	5	....	....	4	....	1	..	..	1	..	..	1	..	1	..	1	..	1
42. Apoplexy	4	....	..	..	..	..	..	..	..	..	..	..	....	2	1	..	1	3	1	....	3	1	....	....	3	1	....	..	..	..	..	1	..	..	..	2	1
44. Paralysis	6	....	..	..	..	..	..	1	....	..	2	....	1	1	1	..	..	2	4	....	5	1	....	1	5	....	1	2	..	1	..	1	..	..	..	..	..	1
48. Epilepsy	3	....	..	..	..	..	1	1	....	1	..	..	....	..	..	..	..	1	2	....	2	....	1	3	....	....	..	..	..	..	1	1	..	..	..	..	..	1
49. Convulsions	5	5	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	1	4	....	5	....	....	5	....	....	1	..	1	1	..	..	..	..	..	..	1	1
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
III.—Diseases of Circulatory System.																																						
Group Total	19	1	1	..	..	..	..	..	1	....	2	3	2	3	5	..	1	6	13	....	11	6	2	4	11	4	2	2	1	..	1	..	4	1	3	..	2	3
53. Endocarditis	3	....	..	..	..	..	..	..	..	....	..	..	....	1	2	..	..	1	2	....	1	2	....	....	3	....	1	1	..	..	..	..	..	..	..	..	1	..
54. Heart Disease	13	1	..	..	..	..	..	..	1	....	2	2	2	2	2	..	1	4	9	....	7	4	2	3	7	3	1	1	1	..	1	..	3	1	2	..	..	3
56. Disease of Arteries	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	1	1	....	2	....	....	....	1	1	..	..	..	..	..	..	1	..	..	1	..	..
59. Diseases of Lymphatics	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	22	7	1	..	..	..	1	1	1	5	..	..	2	1	2	1	..	13	9	....	15	4	3	12	8	2	3	3	2	4	3	..	4	..	1	..	2	..
63. Acute Bronchitis	3	1	1	..	..	..	..	..	..	....	..	..	....	..	..	1	..	2	1	....	2	1	....	2	1	....	..	..	..	..	2	1	..	..	..	..	..	..
65. Broncho-pneumonia	3	2	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	3	....	3	....	....	3	....	....	1	..	..	..	..	..	1	..	1	..	..	..
66. Pneumonia	12	4	..	..	..	..	1	1	3	..	..	2	1	..	..	..	..	8	4	....	9	1	2	7	3	2	2	3	2	..	2	..	2	..	..	..	1	..
67. Pleurisy	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
70. Asthma and Emphysema	2	....	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	2	....	....	....	2	....	....	2	....	..	..	..	..	1	..	..	..	..	..	1	..
V.—Diseases of Digestive System.																																						
Group Total	28	13	1	..	..	..	2	..	..	2	..	3	1	2	3	..	1	17	11	....	22	3	3	13	9	6	1	1	2	..	2	..	3	5	6	4	1	3
77. Gastritis	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	1	1	....	....	....	....	....	2	....	..	..	..	..	..	..	..	2	..	..	..	..
78. Other Diseases of the Stomach	4	2	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	3	....	....	4	....	....	....	....	1	..	..	1	..	..	..	1	..	1	1	..	..
79. Dentition	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	9	9	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	5	....	9	....	....	9	....	....	..	1	..	..	1	..	1	3	2	1	..	..
81. Diarrhœa and Enteritis (2 years and over)	3	....	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	3	....	....	1	2	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..
83. Obstruction of Intestines	5	1	..	..	..	..	1	..	..	1	..	1	....	..	1	..	..	3	2	....	4	1	....	2	3	....	1	..	1	..	..	..	..	..	..	..	..	1	2
87. Cirrhosis of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
88. Biliary Calculi	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	1	....	....	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	1	..	..
91. Peritonitis, Non-puerperal	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
92. Appendicitis	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	....	....	1	..	..	..	..	..	..	..	1	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	7	....	..	..	..	..	..	..	..	....	1	2	2	1	1	..	..	5	2	....	4	3	....	....	7	....	..	..	..	1	1	1	..	1	1	1	1
94. Acute Nephritis	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	1	1	....	2	....	....	....	2	....	..	..	..	1	..	..	..	1	..	..	..	..
95. Bright's Disease	3	....	..	..	..	..	..	..	..	....	..	1	1	..	1	..	..	2	1	....	1	2	....	....	3	....	..	..	..	..	1	..	..	..	..	1	1	..
96. Other Diseases of Kidneys	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
98. Diseases of Bladder	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
VII.—The Puerperal State.																																						
Group Total	8	....	..	..	..	..	..	..	..	4	1	..	....	..	..	..	..	....	5	....	4	....	1	....	5	....	..	..	2	..	..	..	1	..	..	..	1	1
106. Puerperal Septicæmia	5	....	..	..	..	..	..	..	..	4	1	..	....	..	..	..	..	....	5	....	4	....	1	....	5	....	..	..	2	..	..	..	1	..	..	..	1	1

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CAUSES OF DEATH BY COUNTIES—IN PEEL, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	253	51	3	1	.....	.....	5	4	6	11	10	17	21	31	46	43	4	141	111	1	169	61	23	99	142	12	27	29	20	29	17	16	18	14	18	20	26	19
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	11	1	1	..	..	..	..	..	..	....	..	1	....	2	3	2	1	6	5	....	8	1	2	3	8	....	1	2	..	..	2	..	2	1	2	1	..	..
1. Typhoid Fever	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
6. Whooping Cough	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
8. Influenza	4	....	..	..	..	..	..	..	..	....	..	....	....	2	1	1	..	2	2	....	3	1	....	1	3	....	..	2	..	..	1	..	..	1	..	..	..	..
9. Dysentery	4	....	1	..	..	..	..	..	..	....	..	....	....	1	1	1	..	3	1	....	2	..	2	1	3	....	..	..	..	..	1	1	1	..	..	..	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	....	..	....	....	..	1	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	51	1	..	..	..	..	1	..	3	6	1	8	10	8	9	4	..	28	23	....	37	10	4	18	29	4	5	4	5	8	1	5	4	1	1	3	4	10
12. Septicæmia	3	1	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	2	1	....	3	....	....	1	2	....	1	..	..	1	..	1	..	..	..	..	..	..
13. Tuberculosis of Lungs	17	....	..	..	..	..	1	..	2	5	..	4	3	1	1	..	..	12	5	....	13	2	2	9	8	....	3	2	1	4	..	1	1	..	1	2	1	1
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1
25. Cancer of Stomach and Liver	8	....	..	..	..	..	..	..	..	1	1	2	3	1	..	..	..	5	3	....	5	3	....	1	6	1	..	1	3	..	1	..	2	..	..	..	..	1
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	....	2	....	2	....	....	....	2	....	....	..	1	..	..	..	..	..	..	..	..	1
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	1	....	1	..	2	..	....	1	....	1	2	1	....	1	....	....	..	..	..	..	..	..	..	..	1	2	..
30. Cancer of other Unspecified Organs	7	....	..	..	..	..	..	..	..	....	..	1	1	4	1	..	..	4	3	....	5	2	....	3	4	....	....	..	..	..	2	..	1	..	..	..	..	..
32. Rheumatism	3	....	..	..	..	..	..	1	..	....	..	....	1	1	..	..	..	1	2	....	3	....	....	2	....	1	....	..	..	1	..	..	1	..	..	..	..	1
33. Diabetes	4	....	..	..	..	..	..	..	..	....	..	....	2	1	..	..	..	2	2	....	3	1	....	1	2	1	1	..	..	..	..	..	..	..	..	..	..	3
34. Diabetes, Leukæmia	2	....	..	..	..	..	..	..	..	1	..	..	....	1	..	..	..	2	....	....	2	....	....	1	....	1	....	..	..	..	..	..	..	..	1	..	1	..
II.—Diseases of Nervous System.																																						
Group Total	18	5	..	..	..	..	1	..	1	1	2	1	....	2	3	1	1	11	7	..	13	4	1	10	8	....	1	4	..	3	2	..	..	1	2	1	4	..
39. Meningitis	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	..	..	..	..	1	..	..	..	..	..	..
42. Apoplexy	3	....	..	..	..	..	..	..	..	....	..	....	....	..	2	1	..	3	....	....	2	1	....	....	3	....	....	..	..	..	1	1	..	..	..	..	1	..
43. Softening of Brain	2	....	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	2	....	....	1	1	....	1	1	....	1	..	..	..	..	..	..	..	..	..	1	..
44. Paralysis	4	....	..	..	..	..	..	..	..	....	..	1	....	2	..	..	1	1	3	....	3	1	....	1	3	....	..	1	..	1	..	..	..	1	..	1	..	..
48. Epilepsy	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	....	1	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
49. Convulsions	7	5	..	..	..	..	1	..	..	....	..	1	....	..	..	..	..	5	2	....	6	1	....	6	1	....	..	3	..	1	..	..	..	..	1	1	1	..

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PEEL.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
119. XII.—Old Age.																																						
Group Total	32	....	..	..	..	..	..	..	..	....	..	..	....	..	10	21	1	17	15	....	7	20	5	2	28	2	9	4	2	..	1	..	2	..	2	5	5	2
XIII.—Violence and other External Causes.																																						
Group Total	14	....	1	1	..	..	2	3	1	....	1	2	1	..	1	1	..	10	4	....	8	4	2	8	5	1	1	..	2	1	..	4	2	2	1	1	..	..
121. Fractures and Dislocations	3	....	..	..	..	..	..	..	..	....	..	1	1	..	1	..	..	3	....	....	1	1	1	1	2	....	..	..	..	1	..	1	..	..	..	1	..	..
122. Burns and Scalds	2	....	..	..	..	..	1	..	..	....	..	..	....	..	..	1	..	1	1	....	....	2	....	1	1	....	1	..	1	..	..	..	..	..	..	..	..	..
124. Drowning	4	....	..	1	..	..	1	2	..	....	..	..	....	..	..	..	..	2	2	....	4	....	....	4	....	....	..	..	1	..	..	..	2	..	1	..	..	..
127. Other Accidental Traumatisms	5	....	1	..	..	..	..	1	1	....	1	1	....	..	..	..	..	4	1	....	3	1	1	2	2	1	..	..	..	..	..	1	2	1	1	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	15	....	..	..	..	..	1	..	1	1	..	..	3	5	3	1	..	5	10	....	11	4	....	2	11	2	2	1	1	3	..	1	1	3	1	..	2	..
130. Dropsy	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
131. Heart Failure	9	....	..	..	..	..	..	..	1	1	..	..	2	3	2	..	..	3	6	....	7	2	....	1	7	1	..	1	1	2	..	1	..	2	1	..	1	..
132. Other ill-defined causes	5	....	..	..	..	..	1	..	..	....	..	..	1	2	..	1	..	2	3	....	4	1	....	1	3	1	2	..	..	1	..	..	1	..	..	..	1	..
134. XV.—Still Births.																																						
Group Total	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	7	4	....	11	....	....	11	....	....	2	..	..	2	..	..	..	1	1	1	3	1

CAUSES OF DEATH BY COUNTIES—IN PERTH, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	573	122	9	4	5	3	12	3	7	38	34	32	42	49	97	106	10	284	289	....	308	181	84	236	318	19	57	52	53	48	55	37	63	37	38	54	41	38
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	22	3	1	..	..	2	..	1	..	2	3	1	1	1	4	3	..	10	12	....	16	5	1	12	10	....	4	2	2	2	3	1	1	2	..	2	2	1
1. Typhoid Fever	5	....	..	..	..	..	..	..	..	1	2	1	....	..	1	..	..	4	1	....	4	1	....	1	4	...	1	..	..	..	..	..	1	..	1	2	..
5. Scarlet Fever	2	1	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	..	2	..	..	..	..	..	..	..
7. Diphtheria and Croup	4	....	1	..	..	1	..	1	..	1	..	..	....	..	..	..	..	1	3	....	3	....	1	4	....	....	..	..	..	1	..	..	1	..	..	..	..	1
8. Influenza	11	2	..	..	..	..	..	..	..	....	1	..	1	1	3	3	..	5	6	....	7	4	....	5	6	....	3	2	2	1	1	1	..	..	1	..	..
(B.—Other General Diseases.)																																						
Group Total	94	....	1	1	..	..	..	2	2	23	11	12	14	7	14	6	1	39	55	....	57	22	15	28	62	4	10	12	6	7	9	6	9	5	5	8	7	10
12. Septicæmia	2	....	..	..	..	..	..	..	1	....	..	1	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	1	..	1	..	..	..	..	..	..
13. Tuberculosis of Lungs	30	....	1	..	..	..	..	..	..	16	7	1	..	1	..	1	..	10	20	....	24	3	3	15	15	....	5	5	3	2	3	1	2	1	3	3	2	..
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
20. Tuberculosis of other organs	2	....	..	1	..	..	..	..	..	....	..	..	1	..	..	..	..	....	2	....	2	....	....	....	1	1	..	1	..	1	..	..	..	..	..	..	..	..
21. General Tuberculosis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	10	....	..	..	..	..	..	..	..	....	..	1	1	1	6	1	..	3	7	....	6	3	1	1	9	....	..	..	..	..	..	..	3	1	1	2	1	2
26. Cancer of Intestines	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
29. Cancer of Skin	3	....	..	..	..	..	..	..	..	....	..	..	....	..	..	3	..	2	1	....	....	3	....	....	2	1	..	..	..	..	..	1	1	..	..	..	1	..
30. Cancer of other unspecified organs	12	....	..	..	..	..	..	..	..	....	1	1	2	4	2	..	..	5	7	....	2	6	1	1	11	....	..	2	..	1	1	1	2	2	..	..	3	..
31. Tumors	3	....	..	..	..	..	..	..	..	....	1	..	1	..	1	..	..	....	3	....	2	1	....	1	2	....	..	1	1	..	..	..	..	..	..	..	..	..
32. Rheumatism	7	....	..	..	..	..	..	..	..	1	..	1	1	1	..	..	1	7	....	....	4	1	2	3	3	1	1	..	..	..	..	..	1	..	1	..	1	..
33. Diabetes	6	....	..	..	..	..	..	1	1	....	1	..	1	1	..	1	..	1	2	....	4	1	1	2	4	....	..	..	1	1	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	2	....	..	..	..	..	..	..	..	1	1	1	4	1	1	..	..	5	4	....	5	1	3	1	7	1	1	3	1	..	..	1	1	..	..	1	1	..
37. Other General Diseases	5	....	..	..	..	..	..	1	..	1	1	1	....	1	..	..	..	1	4	....	4	1	....	1	4	....	..	..	1	1	2	..	..	..	..	1	..	..
II.—Diseases of Nervous System.																																						
Group Total	73	9	2	1	3	..	3	..	..	..	2	5	7	8	18	14	1	39	34	....	33	27	13	23	49	1	4	8	9	7	7	3	11	7	5	5	2	5
39. Meningitis	15	5	2	..	3	..	2	..	..	....	..	1	1	..	1	..	..	12	3	....	10	2	3	12	3	....	1	1	3	..	3	1	..	1	3	..	..	..
42. Apoplexy	32	....	..	..	..	..	..	..	..	....	1	1	3	5	12	10	..	16	16	....	9	16	7	3	29	....	2	4	3	5	3	..	5	4	1	2	1	2
44. Paralysis	12	....	..	..	..	..	..	..	..	....	..	2	1	2	5	2	..	6	6	....	4	7	1	1	10	1	1	..	2	..	1	1	3	..	1	1	1	..
46. Other forms of Mental Disease	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	2	..	1	3	....	3	1	....	....	4	....	..	..	..	1	..	1	..	..	..	..	..	1
48. Epilepsy	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

PERTH.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
49. Convulsions	7	4	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	2	5	....	5	....	2	6	1	....	..	2	1	1	..	..	1	2	..	..	..	..
50. Tetanus	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	1	....	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	41	....	..	..	..	..	1	..	1	2	3	1	2	5	16	9	1	27	14	....	17	20	4	10	28	3	4	1	7	5	4	1	4	..	1	5	7	2
52. Pericarditis	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
53. Endocarditis	14	....	..	..	..	..	..	1	..	1	..	..	..	1	7	3	..	10	4	....	5	9	....	4	10	....	2	..	2	3	2	1	1	..	..	2	..	1
54. Heart Disease	16	....	..	..	..	..	..	..	..	1	..	..	2	4	6	2	1	13	3	....	8	6	2	2	11	3	..	..	4	1	2	..	3	..	2	3	1
56. Diseases of Arteries	8	....	..	..	..	..	..	..	..	....	1	..	....	..	3	4	..	3	5	....	2	4	2	3	5	....	1	1	1	..	..	..	..	..	1	..	4	..
57. Embolism and Thrombosis	2	....	..	..	..	..	..	..	..	....	2	..	....	..	..	..	..	1	1	....	1	1	....	....	2	....	1	..	..	..	..	..	..	..	1	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	58	10	1	..	..	..	2	..	..	....	4	2	2	11	13	13	..	22	36	....	26	29	3	18	40	....	6	10	8	8	6	3	5	2	1	4	2	3
61. Diseases of Larynx	2	...	..	..	..	..	1	..	..	....	1	..	....	..	..	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	..	..	..	..	1	..	..	..
62. Diseases of the Thyroid Body	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
63. Acute Bronchitis	4	2	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	2	2	....	3	1	....	3	1	....	1	..	..	..	..	..	..	1	1	..	..	1
64. Chronic Bronchitis	10	....	..	..	..	..	..	..	..	....	1	..	....	3	3	3	..	6	4	..	2	6	2	2	8	....	1	1	..	1	..	1	..	..	..	..	1	1
65. Broncho-pneumonia	9	3	1	..	..	..	..	..	..	....	..	..	....	2	3	..	..	1	8	....	4	5	....	4	5	....	2	2	1	1	..	..	..	1	..	1	1	..
66. Pneumonia	30	5	..	..	..	..	1	..	..	....	2	1	2	4	7	8	..	10	20	....	15	14	1	8	22	....	1	6	6	5	6	2	1	..	..	2	..	1
67. Pleurisy	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	56	24	3	2	2	1	3	..	2	1	4	2	1	3	5	2	1	37	19	....	42	9	5	39	15	2	3	3	4	4	5	5	4	2	6	11	6	3
76. Ulcer of Stomach	3	...	..	..	..	..	..	..	..	1	..	..	....	..	2	..	..	3	....	....	1	2	....	1	2	....	1	..	..	..	1	1	..	..	..	..	..	..
77. Gastritis	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	7	6	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	7	....	....	7	....	....	7	....	....	..	..	..	1	..	1	..	2	..	3	..	..
79. Dentition	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	16	15	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	10	6	....	16	....	....	16	....	....	1	1	1	..	..	1	2	..	3	5	2	..
81. Diarrhœa and Enteritis (2 years and over)	6	....	..	2	1	1	1	..	..	....	..	..	....	..	..	1	..	3	3	....	4	1	1	5	1	....	..	..	..	..	..	1	1	..	..	3	1	..
83. Obstruction of Intestines	3	1	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	2	1	....	2	....	1	1	2	....	..	1	..	..	..	..	..	..	..	..	1	1
84. Other Diseases of Intestines	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
87. Cirrhosis of Liver	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	....	1	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
88. Biliary Calculi	4	....	..	..	..	..	..	..	..	....	..	1	....	1	1	1	..	....	4	....	1	3	....	....	3	1	..	..	..	..	1	..	..	..	2	..	..	..
89. Other Diseases of Liver	4	....	..	..	..	..	..	..	..	....	2	..	....	1	1	..	..	2	2	....	2	2	....	1	3	....	..	..	..	..	2	..	..	..	..	..	1	1
92. Appendicitis	7	....	..	..	..	..	2	..	2	....	1	1	....	..	..	..	1	5	2	....	5	....	2	4	2	1	1	1	1	1	..	..	1	..	..	..	1	1
93. Other Diseases of the Digestive System (Cancer and Tuberculosis excepted)	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	1	1	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	14	....	..	..	..	..	..	..	..	2	1	1	4	2	2	2	..	9	5	....	7	6	1	4	10	....	3	1	1	1	..	..	3	..	1	2	1	1
94. Acute Nephritis	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	....	2	....	2	....	....	....	2	....	..	..	..	..	..	..	1	..	1	..	..	..
95. Bright's Disease	8	...	..	..	..	..	..	..	..	1	..	1	3	1	2	..	..	6	2	....	4	3	1	3	5	..	2	1	..	1	..	1	..	1	1	1	1	..
96. Other Diseases of Kidneys	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
98. Diseases of Bladder	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
105. Other Diseases of the Genito-Urinary System	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	2	..	....	....	2	....	1	1	....	..	..	..	..	..	..	1	..	..	..	..	..

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CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	517	142	6	5	5	3	14	8	11	45	28	31	44	53	65	51	6	271	245	1	388	113	16	256	245	16	36	40	58	41	46	33	39	51	30	66	33	44
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	17	2	1	..	2	1	1	1	..	1	2	1	....	2	..	2	1	8	9	....	13	3	1	11	6	....	1	1	1	2	1	2	..	2	..	3	3	1
1. Typhoid Fever	4	....	..	..	..	..	..	..	..	....	2	1	....	..	..	..	1	2	2	....	3	....	1	2	2	....	..	..	..	..	..	..	..	2	..	1	1	..
4. Measles	1	....	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	..	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
5. Scarlet Fever	2	....	..	..	1	..	1	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	..	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
7. Diphtheria and Croup	3	....	..	..	1	..	..	1	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	1	..	..	..	..	..	..	1
8. Influenza	5	1	..	..	..	..	..	..	..	1	..	..	....	1	..	2	..	3	2	....	3	2	....	2	3	....	1	1	..	2	..	..	..	..	..	1	..	..
9. Dysentery	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	..	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	....	..	..	1	....	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	95	1	..	2	..	..	2	2	4	22	5	12	13	17	10	1	1	45	50	....	74	19	2	36	55	4	1	10	16	6	9	10	4	8	6	11	5	6
12. Septicæmia	3	....	..	..	..	..	..	..	..	2	..	1	....	..	..	..	..	2	1	....	3	....	....	2	....	1	..	..	1	..	..	1	1	..	..	..	..	..
13. Tuberculosis of Lungs	35	....	..	..	..	..	..	..	3	13	4	6	3	3	..	2	1	17	18	....	30	5	....	15	19	1	1	3	3	..	4	2	2	4	4	3	3
15. Tuberculous Meningitis	3	1	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	1	..	1	..	..	..	..	..
16. Abdominal Tuberculosis	3	....	..	..	..	..	1	1	..	1	..	..	....	..	..	..	..	1	2	....	2	1	....	3	....	....	..	..	2	..	..	..	..	..	..	1	..	..
17. Pott's Disease	1	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	6	....	..	..	..	..	..	..	..	....	..	..	1	4	1	..	..	2	4	....	5	1	....	....	6	....	..	1	2	1	..	..	..	..	1	1	..	..
27. Cancer of Genital Organs	3	....	..	..	..	..	..	..	..	....	..	..	1	1	..	1	..	....	3	....	2	1	....	1	2	....	..	1	1	..	..	..	..	..	..	..	..	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	....	..	1	....	..	2	..	..	....	3	....	2	1	....	....	3	....	..	..	..	..	..	1	..	1	..	..	1	..
30. Cancer of other Unspecified Organs	10	....	..	..	..	..	..	..	..	1	..	..	3	4	2	..	..	3	7	....	5	5	....	1	9	....	..	1	2	..	..	4	..	2	..	1	..	..
31. Tumors	4	....	1	..	..	..	..	..	..	1	..	1	....	..	1	..	..	3	1	....	3	1	....	3	1	....	..	2	..	1	..	..	..	..	..	1	..	..
32. Rheumatism	6	....	..	..	..	..	1	..	..	1	1	..	....	..	2	1	..	5	1	....	4	1	1	3	1	1	..	1	..	..	2	..	..	1	..	1	..	1
33. Diabetes	4	....	1	..	..	..	..	..	..	....	1	1	1	..	..	..	..	3	1	....	3	1	....	2	1	1	..	..	..	2	..	2	..	..	..	..	..	..
34. Anæmia, Leukæmia	12	....	..	..	..	..	..	..	..	2	..	1	3	4	2	..	..	6	6	....	9	2	1	3	10	....	..	1	2	..	1	..	1	1	1	3	..	2
37. Other General Diseases	3	....	..	..	..	..	..	..	1	1	..	1	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	1	..	..	1	..	1	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	39	6	1	1	1	..	..	..	..	1	1	3	8	5	9	2	1	19	20	....	24	13	2	15	23	1	1	2	3	5	5	2	4	3	3	7	1	3
39. Meningitis	2	....	1	..	1	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	1	..	..	..	..	1	..	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—THE PUERPERAL STATE.																																						
Group Total	9	....	..	..	..	..	..	..	..	5	4	..	....	..	..	..	..	....	9	....	8	1	....	....	8	1	..	..	..	2	..	2	1	3	..	..	..	1
106. Puerperal Septicæmia	3	....	..	..	..	..	..	..	..	2	1	..	....	..	..	..	..	....	3	....	3	....	....	....	2	1	..	..	..	1	..	1	..	1	..	..	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
108. Other causes incident to Child-birth	5	....	..	..	..	..	..	..	..	2	3	..	....	..	..	..	..	....	5	....	4	1	....	....	5	....	..	..	..	1	..	1	1	1	..	..	..	1
VIII.—DISEASES OF SKIN.																																						
Group Total	3	....	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	2	1	....	3	....	....	1	2	....	..	..	1	1	..	..	..	..	..	..	..	1
111. Abscess	3	....	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	2	1	....	3	....	....	1	2	....	..	..	1	1	..	..	..	..	..	..	..	1
IX.—DISEASES OF LOCOMOTOR SYSTEM.																																						
Group Total	2	....	..	..	..	..	..	1	..	....	1	..	....	..	..	..	..	1	1	....	....	2	....	1	1	....	..	1	1	..	..	..	..	..	..	..	..	..
113. Diseases of the Bones	2	....	..	..	..	..	..	1	..	....	1	..	....	..	..	..	..	1	1	....	....	2	....	1	1	....	..	1	1	..	..	..	..	..	..	..	..	..
X.—MALFORMATIONS.																																						
Group Total	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	2	1	5	....	....	5	....	....	..	..	..	..	1	..	..	..	1	2	1
116. Congenital Malformations (Still Births excluded)	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	2	1	5	....	....	5	....	....	..	..	..	..	1	..	..	..	1	2	1
XI.—EARLY INFANCY.																																						
Group Total	56	56	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	32	24	....	56	....	....	56	....	....	3	2	5	7	5	3	8	6	4	5	4	4
117. Premature Birth	19	19	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	13	6	....	19	....	....	19	....	....	1	1	1	2	2	2	2	1	..	2	3	2
118. Congenital Debility	37	37	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	19	18	....	37	....	....	37	....	....	2	1	4	5	3	1	6	5	4	3	1	2
119. XII.—OLD AGE.																																						
Group Total	34	....	..	..	..	..	..	..	..	....	..	..	..	1	12	21	..	20	14	....	12	18	4	4	30	....	2	3	3	..	6	2	4	1	2	6	1	4
XIII.—VIOLENCE AND OTHER EXTERNAL CAUSES.																																						
Group Total	27	2	..	..	..	1	5	..	2	6	2	..	4	2	2	1	..	22	5	....	22	3	2	16	11	....	..	1	2	2	4	1	3	2	1	4	2	5
122. Burns and Scalds	1	1	..	..	..	..	..	..	1	....	..	..	....	1	1	..	..	2	2	....	3	....	1	2	2	....	..	..	..	..	1	..	..	1	..	1	..	1
124. Drowning	8	....	..	..	..	..	3	..	..	4	..	..	1	..	..	..	..	8	....	....	6	2	....	7	1	....	..	..	..	2	2	..	3	..	..	..	..	1
126. Other Accidental Poisonings	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	2	....	....	....	2	....	..	..	1	..	1	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	13	1	..	..	1	2	..	1	2	2	..	2	1	..	1	..	11	2	....	11	1	1	7	6	....	..	1	1	..	..	1	..	1	1	3	2	3
XIV.—ILL-DEFINED DISEASES.																																						
Group Total	29	2	1	..	..	2	3	2	....	1	1	2	5	5	4	1	16	13	....	20	9	....	10	16	3	1	1	3	3	2	1	5	4	1	6	..	2
130. Dropsy	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	1	1	....	1	1	....	....	2	....	..	..	2	..	..	..	..	..	..	..	..	..
131. Heart Failure	11	1	1	..	..	..	1	..	..	....	1	1	1	1	3	1	..	8	3	...	7	4	....	4	7	....	1	1	1	3	1	1	..	..	..	3	..	..
133. Unknown causes	16	1	..	..	..	..	1	3	2	....	..	..	1	3	2	2	1	7	9	....	12	4	....	6	7	3	..	..	..	..	..	1	..	5	4	1	3	..	2
134. XV.—STILL BIRTHS.																																						
Group Total	31	31	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	16	15	....	31	....	..	31	....	....	4	4	6	..	2	5	1	3	..	3	1	2

CAUSES OF DEATH BY COUNTIES—IN PRESCOTT AND RUSSELL, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	739	313	37	20	13	6	24	18	17	31	32	24	33	49	55	60	7	387	339	13	684	31	24	474	218	47	72	83	63	65	65	67	61	76	61	52	38	36
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	58	23	7	3	3	1	6	2	..	2	2	1	3	1	2	2	..	26	32	....	58	....	....	46	9	3	2	8	6	5	6	2	5	8	6	4	3	3
1. Typhoid Fever	14	1	2	1	....	....	1	2	..	2	1	1	3	..	..	..	..	9	5	....	14	....	....	8	5	1	1	2	..	1	2	1	1	1	..	3	1	1
4. Measles	1	....	....	....	....	....	1	..	..	....	....	....	....	....	....	....	....	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Scarlet Fever	3	1	1	..	....	....	1	..	..	....	....	....	....	....	....	....	....	1	2	....	3	....	....	3	....	....	....	....	....	2	....	1	....	....	....	....	....	....
6. Whooping Cough	21	18	..	1	2	....	....	....	....	....	....	....	....	....	....	....	....	7	14	....	21	....	....	21	....	....	....	....	....	....	2	1	1	3	6	4	....	....
7. Diphtheria and Croup	8	....	2	..	1	1	3	..	..	....	1	....	....	....	....	....	....	2	6	....	8	....	....	7	1	....	1	1	2	1	..	..	1	..	1	1	..	..
8. Influenza	10	2	..	1	....	....	....	....	....	....	....	....	....	1	2	2	....	6	4	....	10	....	....	5	3	2	..	5	2	1	1	..	..	1	1	..	..	..
9. Dysentery	1	1	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....
(B.—Other General Diseases.)																																						
Group Total	70	4	1	..	1	1	3	2	5	10	14	8	11	5	3	2	..	24	46	....	64	2	4	23	41	6	16	13	11	2	5	6	3	2	6	3	2	1
12. Septicæmia	1	1	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13. Tuberculosis of Lungs	39	2	..	..	1	..	1	2	3	7	12	3	4	3	..	1	..	10	29	....	34	1	4	9	26	4	7	8	6	1	4	5	1	1	3	2	1	..
14. Tuberculosis of Larynx	2	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	2	....	....	2	....	....	....	1	1	1	..	1	....	....	....	....	....	....	1	....	....	....
15. Tuberculous Meningitis	1	....	1	..	..	1	2	..	..	....	....	....	....	....	....	....	....	3	1	....	4	....	....	4	....	....	....	1	..	1	1	1	....	....	....	....	....	....	....
16. Abdominal Tuberculosis	2	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	1	1	....	2	....	....	1	1	....	2	....	....	....	....	....	....	....	....	....	....	....
18. Tuberculous Abscess	1	1	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
25. Cancer of Stomach and Liver	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
28. Cancer of Breast	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	..	1	....	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
30. Cancer of other unspecified organs	7	....	....	....	....	....	....	....	....	....	..	1	4	1	1	....	....	1	6	....	7	....	....	1	6	....	....	....	....	....	....	....	....	....	....	....	1	....
32. Rheumatism	3	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	2	1	....	3	....	....	3	1	....	1	1	..	..	..	1	....	....	1	....	....	....
33. Diabetes	3	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	2	1	....	3	....	....	2	1	....	1	1	..	..	..	..	1	....	....	....	....	....	....
34. Anæmia, Leukæmia	2	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	2	....	....	2	1	....	2	1	....	....	2	....	....	....	....	....	....	1	....	....	....	....
35. Alcoholism	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
37. Other General Diseases	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
II.—Diseases of Nervous System.																																						
Group Total	41	7	2	1	2	..	4	1	3	....	..	2	1	5	6	6	1	26	15	....	36	4	1	21	17	3	3	8	5	19	5	4	1	1	..	3	..	2
38. Encephalitis	4	3	..	..	....	....	....	....	....	....	....	....	....	....	....	1	....	1	3	....	4	....	....	3	1	....	..	1	2	..	..	1	....	....	....	....	....	....	....
39. Meningitis	10	2	..	..	2	..	4	..	2	....	....	....	....	....	....	....	....	8	2	....	9	....	1	10	....	....	..	3	1	1	1	1	1	....	....	1	....	1
41. Other Diseases of Spinal Cord	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....
42. Apoplexy	27	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	2	3	4	....	4	3	....	....	6	1	1	1	1	1	1	1	....	....	....	....	....	1

PRESCOTT AND RUSSELL.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
44. Paralysis	10	....	..	..	..	..	..	..	..	....	..	1	....	3	3	3	..	6	4	....	9	1	....	....	9	1	..	2	..	5	..	1	..	1	..	1	....	....
47. Other Diseases of Brain	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	1	....	....	1	....	....	....	....	1	..	..	..	1	..	..	..	..	..	..	....	....
49. Convulsions	5	1	2	1	..	..	..	..	1	....	..	..	....	..	..	..	..	3	2	....	5	....	....	5	....	....	1	1	..	1	2	..	..	..	..	....	....
51. Other Diseases of Nervous System	3	1	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	3	....	....	3	....	....	2	1	....	1	..	1	..	1	..	..	..	..	....	....
III.—Diseases of Circulatory System.																																						
Group Total	**33**	...	..	..	..	1	..	..	..	....	..	1	5	11	5	7	..	16	17	....	29	2	2	1	30	2	3	5	2	2	5	6	3	1	1	1	2	2
53. Endocarditis	7	....	..	..	..	..	..	..	..	....	..	1	1	3	1	1	..	5	2	....	7	....	....	....	7	....	..	1	2	....	1	2	..	1	..	....	....
54. Heart Disease	17	....	..	..	..	1	..	..	..	....	..	3	3	5	2	3	..	5	12	....	15	1	1	1	15	1	2	2	..	1	4	5	1	..	..	1	..	1
55. Angina Pectoris	1	....	..	..	..	..	..	..	..	....	..	..	1	2	..	1	..	1	3	....	3	....	1	....	4	....	1	2	..	..	..	..	..	..	..	..	1	..
56. Diseases of Arteries	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	1	..	3	....	....	2	1	....	....	3	....	..	..	..	..	..	..	..	1	..	1	1	1
57. Embolism and Thrombosis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	1	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	**69**	19	5	5	3	1	4	1	2	1	4	1	3	6	6	6	2	40	29	....	61	6	2	42	21	6	11	10	6	9	10	2	3	2	1	5	8	2
61. Diseases of Larynx	2	....	1	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	1	...	1	1	1	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	7	2	1	..	1	..	..	..	..	....	..	..	1	..	1	1	..	6	1	....	6	1	....	4	2	1	1	1	1	1	..	..	1	1	..	1	..	..
65. Broncho-pneumonia	5	2	..	2	..	..	..	..	..	....	..	..	....	..	1	..	..	4	1	....	5	....	....	1	....	1	1	..	..	2	1	..	..	..	..	1	..	..
66. Pneumonia	48	11	3	3	2	1	3	..	1	1	3	1	2	3	4	5	2	26	22	....	42	4	2	30	15	3	7	8	5	5	9	2	2	1	1	2	5	1
67. Pleurisy	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
68. Congestion of Lungs	2	....	..	..	..	..	..	..	1	....	..	..	....	1	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	1	1
70. Asthma and Emphysema	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	2	....	....	2	....	....	....	2	....	..	..	..	..	..	..	..	..	..	1	1	..
72. Other Diseases of Respiratory System (Phthisis excepted)	2	1	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	1	..	..	1	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	**107**	66	9	3	3	1	1	3	1	3	2	3	....	6	1	2	..	65	42	....	101	3	3	90	16	1	11	6	3	9	5	5	12	22	13	11	4	6
76. Ulcer of Stomach	2	....	..	..	..	..	..	..	..	....	1	..	....	..	..	1	..	....	2	....	1	1	....	....	2	....	1	..	..	..	..	..	..	1	..	..	..	..
78. Other Diseases of the Stomach	6	1	..	..	..	..	..	..	..	....	..	..	....	2	2	1	..	6	....	...	4	....	2	1	5	....	1	..	1	..	..	2	..	..	1	..	1
79. Dentition	8	2	5	1	..	..	..	..	..	....	..	..	....	..	..	..	..	3	5	....	8	....	....	8	....	....	2	1	..	1	..	..	1	1	..	1	..	1
80. Diarrhœa and Enteritis (under 2 years)	65	62	3	..	..	..	..	..	..	....	..	..	....	..	..	..	..	42	23	....	65	....	....	65	....	....	2	5	..	3	3	2	10	18	10	6	3	3
81. Diarrhœa and Enteritis (2 years and over)	8	....	..	2	..	..	..	2	..	....	..	..	....	4	..	..	..	4	4	....	8	....	....	4	1	....	..	..	1	2	..	1	1	1	..	1	..	1
82. Hernia	2	1	..	..	..	..	..	..	..	....	..	1	..	..	1	..	..	1	1	....	1	....	1	1	1	....	..	..	1	..	..	..	..	..	..	1	..	..
83. Obstruction of Intestines	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
84. Other Diseases of Intestines	3	....	..	..	2	..	..	..	1	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	1	..	..	..	1	..	..	..	1	..	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	...	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
91. Peritonitis, Non-puerperal	6	....	1	..	1	..	..	..	..	1	1	1	....	..	..	..	..	3	3	....	5	1	...	3	2	1	2	..	..	1	1	..	..	1	1	..	..
92. Appendicitis	5	....	..	..	..	1	..	1	..	2	..	1	....	..	..	..	..	4	1	....	4	1	....	4	1	....	2	..	..	1	..	..	..	..	1	1	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	**19**	2	..	..	..	1	2	..	..	1	3	..	2	3	4	1	..	13	6	....	17	....	2	7	10	2	..	..	4	4	1	2	..	3	2	1	..	2
94. Acute Nephritis	2	....	..	..	..	1	..	..	..	....	..	..	1	..	..	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	..	..	..	1	1	..	..	..
95. Bright's Disease	11	1	..	..	..	..	..	..	..	1	2	..	1	3	3	..	..	8	3	....	10	....	1	3	7	1	..	..	3	4	..	1	..	2	1	..	..	..
96. Other Diseases of Kidneys	3	....	..	..	1	1	..	..	..	....	1	..	....	..	..	..	..	....	3	....	3	....	....	2	....	1	..	..	1	..	1	..	..	..	1	..	..	..

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CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																			
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	281	56	4	3	2	.....	4	2	5	13	15	11	23	43	60	37	3	148	133	.....	239	28	14	103	167	11	18	28	35	27	21	17	20	19	26	29	26	15
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	11	4	1	1	.....	.....	2	..	1	.....	..	1	.....	1	..	..	..	5	6	.....	11	.....	.....	9	2	.....	..	1	1	1	1	1	..	1	1	2	1
1. Typhoid Fever	2	.....	.....	.....	.....	.....	.....	.....	1	.....	..	1	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	..	1	..
5. Scarlet Fever	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	..
6. Whooping Cough	6	4	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	4	.....	6	.....	.....	6	.....	.....	.....	..	1	1	1	1	..	1	..	..	..
7. Diphtheria and Croup	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
10. Erysipelas	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
(B.—Other General Diseases.)																																					
Group Total	45	.....	.....	.....	.....	.....	.....	.....	1	6	9	3	8	8	7	2	1	27	18	.....	39	4	2	9	36	.....	4	3	6	1	3	2	3	..	1	9	9	4
13. Tuberculosis of Lungs	15	.....	.....	.....	.....	.....	.....	.....	.....	6	6	1	1	..	1	..	..	8	7	.....	12	2	1	3	12	.....	1	..	3	1	1	1	1	..	..	2	3	2
14. Tuberculosis of Larynx	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	..	..	..	1	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16. Abdominal Tuberculosis	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	..	..	..	1	2	.....	.....	2	.....	.....	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	..	..
24. Cancer of Mouth	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	..	..	..	..	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	..	..
25. Cancer of Stomach and Liver	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	1	..	..	3	2	.....	5	.....	.....	.....	5	.....	1	..	2	.....	.....	.....	.....	.....	.....	1	1
26. Cancer of Intestines	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	1	..	3	2	.....	5	.....	.....	.....	5	.....	.....	1	.....	.....	.....	.....	.....	.....	1	2	1	..
27. Cancer of Genital Organs	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	..	..	..	1	1	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	..
30. Cancer of other unspecified organs	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	2	2	1	..	3	5	.....	7	1	.....	1	7	.....	..	1	.....	.....	2	1	2	.....	.....	1	1
32. Rheumatism	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	1	..	..	..	.....	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	..	..
33. Diabetes	3	.....	.....	.....	.....	.....	.....	1	.....	.....	2	..	.....	.....	.....	.....	.....	3	.....	.....	3	.....	.....	2	1	.....	.....	..	1	.....	.....	.....	.....	.....	.....	1	1	..
34. Anæmia, Leukæmia	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
35. Alcoholism	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	...	1	...	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
II.—Diseases of Nervous System.																																					
Group Total	44	5	1	1	1	..	1	1	..	.....	1	..	4	9	15	5	..	19	25	.....	37	4	3	13	29	2	4	4	6	4	..	4	6	4	3	6	2	1
39. Meningitis	5	4	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	2	.....	5	.....	.....	5	.....	.....	1	.....	.....	1	.....	.....	.....	.....	2	1	.....	.....
41. Other Diseases of Spinal Cord	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	1	1	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
42. Apoplexy	13	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	4	6	.....	.....	6	7	.....	10	1	2	1	10	2	1	1	2	1	..	2	3	.....	..	2	1	..
43. Softening of Brain	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2	.....	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
44. Paralysis	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	6	2	.....	3	9	.....	9	2	1	1	11	.....	1	3	3	.....	.....	2	1	1	1	.....	.....	.....
47. Other Diseases of Brain	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1	1	.....	1	1	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....
48. Epilepsy	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
49. Convulsions	3	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	3	.....	.....	3	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	1	.....	.....
51. Other Diseases of Nervous System	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	1	.....	1	3	.....	4	.....	.....	1	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....

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PRINCE EDWARD.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XI.—Early Infancy.																																						
Group Total	13	13	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	8	....	13	..	....	13	...	....	1	..	1	3	1	2	..	..	1	1	1	2
117. Premature Birth	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	3	....	1	....	....	4	....	....	..	..	1	1	1	1	..	..	..	..	..	..
118. Congenital Debility	9	9	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	5	....	9	....	....	9	....	....	1	..	..	2	..	1	..	..	1	1	1	2
119. XII.—Old Age.																																						
Group Total	28	...	..	..	..	..	..	..	..	....	..	..	....	3	7	18	1	16	12	....	19	6	3	5	21	2	1	1	3	5	..	2	1	4	4	1	4	2
XIII.—Violence and other External Causes.																																						
Group Total	16	....	..	..	1	..	..	1	..	3	1	2	5	1	..	2	..	11	2	....	15	1	....	6	10	....	1	1	1	..	3	..	..	1	3	3	..	3
120. Suicides	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
121. Fractures and Dislocations	2	...	..	..	..	..	..	..	..	....	..	..	1	..	..	1	..	2	....	....	1	1	....	....	2	....	1	..	..	..	..	..	..	..	..	..	..	1
124. Drowning	5	....	..	..	1	..	..	1	..	1	..	..	1	1	..	..	..	1	1	....	5	....	....	3	2	....	..	..	..	..	3	..	..	..	..	2	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
127. Other Accidental Traumatisms	7	....	..	..	..	..	..	..	..	2	1	1	2	..	..	1	..	6	1	....	7	....	...	3	4	....	..	1	1	..	..	..	..	..	3	1	..	1
XIV.—Ill-Defined Diseases.																																						
Group Total	27	2	..	..	..	..	..	..	1	1	..	3	1	8	10	1	..	11	16	....	19	4	4	8	18	1	1	5	2	4	4	..	2	1	3	3	..	2
130. Dropsy	5	....	..	..	..	..	..	..	..	....	..	..	....	2	3	..	..	....	5	....	1	1	....	1	4	....	..	1	2	..	2	..	..	..	..	..	..	..
131. Heart Failure	13	....	..	..	..	..	..	..	..	1	..	2	1	5	4	..	..	7	6	....	10	3	....	3	9	1	1	2	..	3	2	..	1	1	2	1	..	..
132. Other ill-defined causes	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	....	2	....	2	....	....	....	2	....	..	..	..	1	..	..	1	..	..	..	..	..
133. Unknown causes	7	2	..	..	..	..	..	1	..	....	..	..	....	1	2	1	..	4	3	....	3	....	1	4	3	....	..	2	..	..	..	..	..	..	1	2	..	2
134. XV.—Still Births.																																						
Group Total	14	14	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	7	7	....	14	....	....	14	....	....	..	3	2	1	1	..	..	2	3	..	2	..

CAUSES OF DEATH BY COUNTIES—IN RAINY RIVER, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	422	71	8	4	2	4	6	7	24	107	84	40	21	19	10	4	11	339	83	.....	180	210	32	253	107	62	41	31	34	31	29	36	32	30	38	49	37	34
(A.—Epidemic Diseases.)																																						
I.—General Diseases.																																						
Group Total	80	7	..	1	..	..	3	1	8	31	22	5	....	1	..	..	1	68	12	....	23	57	....	59	13	8	3	3	1	1	4	..	2	4	9	31	17	5
1. Typhoid Fever	68	....	..	..	..	..	..	1	8	30	22	5	....	1	..	..	1	61	7	....	12	56	....	48	13	7	..	2	1	..	1	..	2	4	9	30	15	4
5. Scarlet Fever	4	2	..	1	..	..	1	..	..	....	..	..	....	..	..	..	..	3	1	....	4	....	....	4	....	....	3	..	..	..	..	..	..	..	..	..	..	1
6. Whooping Cough	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	3	..	..	..	..	..	..
7. Diphtheria and Croup	5	2	..	..	..	..	2	..	..	1	..	..	....	..	..	..	..	3	2	....	4	1	....	4	....	1	..	1	..	1	..	..	..	..	..	..	1	2	..
(B.—Other General Diseases.)																																						
Group Total	36	2	1	..	..	..	..	1	2	9	4	3	2	6	2	1	3	25	11	....	15	18	3	15	18	3	3	4	6	3	4	3	3	2	..	2	3	3
12. Septicæmia	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	16	2	..	..	..	..	..	1	1	6	3	..	2	..	..	..	1	9	7	....	8	7	1	8	7	1	1	3	3	..	2	2	2	..	..	1	1	1
16. Abdominal Tuberculosis	2	....	1	..	..	..	..	..	1	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	1	1	..	..	..	..	..	..	..	..
23. Venereal Diseases	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	3	....	..	..	..	..	..	..	..	....	..	1	....	2	..	..	..	1	2	....	....	2	1	1	2	....	..	..	..	1	1	..	..	..	..	1	..	..
30. Cancer of other Unspecified Organs	3	....	..	..	..	..	..	..	..	....	..	..	1	2	..	..	..	2	1	....	1	2	....	....	3	....	..	..	1	..	..	..	..	..	..	..	2	..
32. Rheumatism	3	....	..	..	..	..	..	..	..	1	..	..	....	..	..	2	..	3	....	....	....	2	1	3	....	....	1	1	..	..	..	1	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
35. Alcoholism	6	....	..	..	..	..	..	..	..	1	1	1	....	3	..	..	..	6	....	....	3	3	....	1	3	2	1	..	1	..	1	..	1	1	..	..	..	1
II.—Diseases of Nervous System.																																						
Group Total	19	4	1	1	1	..	1	..	3	1	..	2	2	..	3	..	..	12	7	....	14	5	....	13	6	....	1	3	1	2	4	2	..	2	..	1	3	..
39. Meningitis	5	....	..	1	..	..	1	..	3	....	..	..	....	..	..	..	..	5	....	....	3	2	....	5	....	....	..	2	1	1	..	1	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
42. Apoplexy	5	....	..	..	1	..	..	..	..	1	..	1	....	..	2	..	..	3	2	....	3	....	....	3	2	....	..	..	..	..	..	1	1	..	2	..	..	..
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
44 Paralysis	2	....	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	....	2	....	2	....	....	....	2	....	..	..	..	..	..	..	..	..	..	..	2	..
49. Convulsions	5	4	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	2	....	5	....	....	5	....	....	1	1	..	..	..	3	..	..	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
III.—Diseases of Circulatory System.																																					
Group Total	13	....	..	..	..	..	..	..	1	1	3	2	4	1	1	..	..	9	4	....	7	6	....	2	10	1	3	2	1	3	..	1	1	1	1	..	..	..
52. Pericarditis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
53. Endocarditis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	..	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
54. Heart Disease	5	....	..	..	..	..	..	..	..	....	2	1	2	..	..	..	..	4	1	..	5	....	....	....	4	1	3	..	1	1	..	..	..	..	..	..	..	..
57. Embolism and Thrombosis	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	2	..	....	....	2	....	....	2	....	..	..	2	..	..	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	4	....	..	..	..	..	..	1	..	1	1	..	....	1	..	..	..	2	2	....	1	3	....	2	2	....	..	..	..	1	..	1	1	1	..	..	..
IV.—Diseases of Respiratory System.																																					
Group Total	29	3	4	..	..	..	1	1	..	5	4	6	1	2	1	..	1	21	8	....	16	10	3	19	7	3	3	2	1	3	6	2	1	1	3	6	..	1
63. Acute Bronchitis	2	1	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	1	..	..	..	..	1	..	..	..	..	..	..
64. Chronic Bronchitis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
65. Broncho-pneumonia	3	....	1	..	..	1	..	..	..	....	..	..	....	1	..	..	..	2	1	....	2	....	1	2	....	....	1	..	..	..	..	1	..	..	..	..	..	..
66. Pneumonia	22	2	2	..	..	..	1	..	..	5	4	6	1	1	..	..	..	16	6	....	11	9	2	15	5	2	2	1	1	2	4	1	1	3	5	..	1
70. Asthma and Emphysema	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
V.—Diseases of Digestive System.																																					
Group Total	36	25	1	2	1	1	..	..	..	1	1	..	2	2	..	..	..	23	13	....	32	3	1	31	3	2	1	1	4	3	..	3	3	8	11	..	1	1
74. Tonsilitis	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	4	3	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	2	2	....	3	....	1	4	....	....	..	..	3	..	..	..	..	..	..	..	..	1
80. Diarrhœa and Enteritis (under 2 years)	22	21	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	14	8	....	22	....	....	22	....	....	1	..	..	2	..	1	2	7	9	..	..	..
81. Diarrhœa and Enteritis (2 years and over)	2	....	..	2	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	..	1	1	..	..	..
82. Hernia	2	....	..	..	..	..	..	..	..	1	..	1	....	..	..	..	..	2	....	....	....	2	....	....	1	1	..	1	..	..	..	..	1	..	..	..	..	..
83. Obstruction of Intestines	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
84. Other Diseases of Intestines	2	....	..	..	..	..	..	..	..	....	..	1	....	1	..	..	..	2	....	....	1	....	1	.. ..	2	....	..	..	..	1	..	..	..	..	..	..	..	..
87. Cirrhosis of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..
91. Peritonitis, Non-puerperal	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																					
Group Total	7	....	..	..	..	..	..	..	..	3	..	1	1	2	..	..	..	5	2	...	4	1	2	3	3	1	3	..	..	..	2	..	..	..	..	1	1
94. Acute Nephritis	2	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	1	....	1	....	1	...	1	1	1	..	..	..	..	..	..	..	..	..	..	1
95. Bright's Disease	4	....	..	..	..	..	..	..	..	2	..	1	....	1	..	..	..	3	1	....	2	1	1	3	1	....	2	..	..	..	2	..	..	..	..	..	..	..
96. Other Diseases of Kidneys	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
VII.—The Puerperal State.																																					
Group Total	5	....	..	..	..	..	..	..	..	5	..	..	....	..	..	..	..	....	5	....	3	2	....	....	5	....	1	..	..	..	1	..	1	1	..	..	..	1
106. Puerperal Septicæmia	3	....	..	..	..	..	..	..	..	3	..	..	....	..	..	..	..	...	3	....	1	2	....	....	3	....	..	..	..	..	1	..	..	..	..	..	..	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	1	..	..	..	1
108. Other causes incident to Child-birth	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	1	..	..	..	..	..	..
VIII.—Diseases of Skin.																																					
Group Total	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	1	....	....	....	1	..	..	..	..	..	..	..	1	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	1	....	....	....	1	..	..	..	..	..	..	..	1	..	..	..	..

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CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																			
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	585	166	15	5	6	1	22	12	15	47	39	43	41	52	69	47	5	310	274	1	423	133	29	311	255	19	50	73	42	46	42	48	43	51	54	48	50	38
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	35	1	2	..	1	..	5	3	2	6	5	4	2	1	3	..	..	16	19	....	26	4	5	21	14	....	6	..	1	2	1	1	..	3	2	4	5	10
1. Typhoid Fever	21	....	..	..	..	..	1	2	2	5	5	4	2	..	..	..	..	11	10	....	13	3	5	12	9	....	2	..	..	..	..	1	..	2	..	3	5	8
5. Scarlet Fever	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
6. Whooping Cough	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
7. Diphtheria and Croup	6	....	..	1	..	4	1	..	....	..	..	....	..	..	..	..	..	2	4	....	6	....	....	6	....	....	2	..	1	..	1	..	..	..	1	..	..	1
8. Influenza	2	....	1	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	1	....	1	1	....	1	1	....	1	..	..	1	..	..	..	..	..	..	..	..
9. Dysentery	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
10. Erysipelas	3	....	..	..	..	..	..	..	..	1	..	..	....	1	1	..	..	1	2	....	3	....	....	....	3	....	1	..	..	1	..	..	..	1	..	..	..	..
(B.—Other General Diseases.)																																					
Group Total	63	....	..	..	1	..	2	4	3	11	12	7	9	8	5	1	..	24	39	....	47	16	....	24	38	1	10	10	7	4	8	5	2	4	4	3	5	1
12. Septicæmia	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	25	....	..	..	..	..	1	2	..	9	7	1	2	1	2	..	..	11	14	....	19	6	....	13	11	1	4	5	3	1	4	1	1	1	1	2	2	..
15. Tuberculous Meningitis	2	....	..	..	..	..	1	..	..	....	..	1	....	..	..	..	..	....	2	....	2	....	....	1	1	....	..	1	..	..	1	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	..	..	..	..	..	..	1	..
26. Cancer of Intestines	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	....	2	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	1	..	1	..
28. Cancer of Breast	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	....	2	....	....	2	....	....	2	....	..	..	..	..	..	1	1	..	..	..	..	..
30. Cancer of other Unspecified Organs	6	....	..	..	..	..	..	..	..	....	..	4	1	..	1	..	..	3	3	....	4	2	....	....	6	....	..	..	..	1	..	2	..	..	1	..	1	1
31. Tumors	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	5	....	..	..	..	1	2	..	2	....	..	..	....	..	..	..	..	2	3	....	5	....	....	4	1	....	..	1	1	..	..	1	..	1	..	1	..	..
33. Diabetes	3	....	..	..	..	..	1	..	..	....	..	2	....	..	..	..	..	1	2	....	3	....	....	1	2	....	1	..	1	..	..	..	1	..	..	..	..	..
34. Anæmia, Leukæmia	9	....	..	..	..	..	..	..	..	....	2	3	1	2	1	..	..	4	5	....	6	3	....	1	8	....	1	1	1	2	..	2	..	1	1	..	..	..
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	2	....	....	1	1	....	1	1	....	1	..	..	..	..	..	1	..	..	..	..	..
37. Other General Diseases	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																					
Group Total	49	14	..	1	..	1	4	..	1	2	2	4	7	5	4	3	1	25	21	....	35	11	3	26	21	2	4	10	5	8	4	2	2	..	3	2	5	4
38. Encephalitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
39. Meningitis	4	....	..	..	..	..	1	..	1	1	1	..	....	..	..	..	..	2	2	....	4	....	....	2	2	....	..	1	1	1	..	..	..	..	..	..	..	1
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	7	....	..	..	..	..	..	..	2	3	1	1	....	..	..	..	..	....	7	....	7	....	....	....	7	....	..	2	..	..	1	1	2	..	1	..	..	..
106. Puerperal Septicæmia	3	....	..	..	..	..	..	..	2	....	1	..	....	..	..	..	..	....	3	....	3	....	....	....	3	....	..	1	..	..	1	..	....	..	1	..	..	..
108. Other causes incident to Childbirth	4	....	..	..	..	..	..	..	..	3	..	1	....	..	..	..	..	....	4	....	4	....	....	....	4	....	..	1	..	..	..	1	2	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
111. Abscess	1	...	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
XI.—Early Infancy.																																						
Group Total	73	73	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	42	30	1	73	....	....	73	....	....	6	10	6	5	6	5	6	5	7	9	5	3
117. Premature Birth	12	12	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	7	....	12	....	....	12	....	....	3	2	..	..	..	2	1	1	..	2	1	..
118. Congenital Debility	61	61	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	37	23	1	61	....	....	61	....	....	3	8	6	5	6	3	5	4	7	7	4	3
119. XII.—Old Age.																																						
Group Total	40	....	..	..	..	..	..	..	..	....	..	..	....	1	11	28	..	16	21	....	4	36	....	1	38	1	3	7	1	9	4	3	2	2	4	2	2	1
XIII.—Violence and other External Causes.																																						
Group Total	29	....	1	2	..	..	5	1	1	5	2	6	3	3	..	..	..	17	12	....	22	5	2	15	13	1	3	1	..	..	..	8	6	3	2	2	2	2
120. Suicides	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
122. Burns and Scalds	2	....	..	1	..	..	1	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	2	..	..	..	..	..	..
123. Physical Phenomena	2	....	..	..	..	..	1	..	..	....	..	..	....	1	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	..	..	..	2	..	..	..	..	..
124. Drowning	9	....	..	..	..	..	2	1	1	1	2	1	1	..	..	..	..	5	4	....	8	1	....	6	3	....	1	..	..	..	..	4	2	..	1	..	1	..
127. Other Accidental Traumatisms	14	....	1	1	..	..	1	..	..	4	..	4	1	2	..	..	..	9	5	....	10	3	1	6	7	1	2	1	..	..	..	1	2	3	..	2	1	2
XIV.—Ill-Defined Diseases.																																						
Group Total	107	16	6	..	4	..	2	2	3	6	9	8	8	14	17	11	1	59	48	....	67	32	8	46	52	9	6	7	8	2	3	5	10	18	14	12	12	10
130. Dropsy	5	....	..	..	..	..	..	..	..	....	1	..	....	1	2	1	..	2	3	....	2	3	....	....	5	....	2	1	1	..	..	..	1	..	..	..	..	..
131. Heart Failure	21	2	..	..	1	..	1	1	..	1	1	2	2	5	4	1	..	14	7	....	14	5	2	8	10	3	..	3	4	1	..	2	1	5	3	2	..	..
132. Other ill-defined causes	26	12	6	..	2	..	..	..	1	....	2	..	....	1	1	1	..	13	13	....	26	....	....	22	4	..	2	3	1	1	2	1	1	3	3	6	..	3
133. Unknown causes	55	2	..	..	1	..	1	1	2	5	5	6	6	7	10	8	1	30	25	....	25	24	6	16	33	6	2	..	2	..	1	2	7	10	8	4	12	7
134. XV.—Still Births.																																						
Group Total	31	31	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	24	7	....	31	....	....	31	....	....	2	5	3	2	..	4	3	4	2	1	4	1

CAUSES OF DEATH BY COUNTIES—IN SIMCOE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	1089	296	30	15	8	9	21	35	30	85	68	59	90	97	140	98	8	584	503	2	782	250	57	580	450	59	92	102	114	98	80	96	101	97	94	85	69	61
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	70	15	5	4	4	2	6	3	3	13	5	3	3	1	2	1	..	34	36	....	56	6	8	57	9	4	6	1	6	4	3	3	9	11	7	8	7	2
1. Typhoid Fever	25	....	..	..	..	1	1	1	2	11	4	3	2	..	..	..	..	16	9	....	15	4	6	15	7	3	1	1	..	..	..	..	4	6	3	5	5	..
3. Smallpox	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	2	1	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	1	..	1
6. Whooping Cough	13	9	4	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	8	....	13	....	....	13	....	....	..	..	2	1	..	1	4	3	1	..	1	..
7. Diphtheria and Croup	16	2	..	3	4	1	1	1	1	....	..	..	....	..	..	..	..	5	11	....	16	....	....	16	....	....	4	2	1	3	2	..	..	1	1	..	1	1
8. Influenza	7	1	1	..	..	..	..	1	..	2	1	..	1	..	..	..	..	2	5	..	6	1	....	7	....	....	1	..	3	..	..	..	..	1	1	..	..	..
9. Dysentery	3	....	..	..	..	..	..	..	..	....	..	..	....	..	2	1	..	2	1	....	....	1	2	....	2	1	....	..	..	..	..	..	1	..	1	..	..	..
10. Erysipelas	3	2	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	2	..	3	....	....	3	....	....	..	..	..	..	1	2	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	177	2	..	..	..	2	5	7	8	35	17	24	37	22	12	3	3	85	92	....	126	37	14	63	103	11	12	16	12	24	17	21	16	18	8	12	11	10
12. Septicæmia	4	1	..	..	..	..	..	..	..	....	..	1	1	..	..	..	1	3	1	....	2	1	1	1	2	1	1	1	..	..	..	..	..	..	1	1	..	..
13. Tuberculosis of Lungs	70	....	..	..	..	..	..	..	5	31	12	10	6	3	2	..	1	31	36	....	53	10	7	33	33	1	5	6	5	10	8	9	7	4	3	2	4	7
15. Tuberculous Meningitis	5	....	..	..	..	2	2	1	..	....	..	..	....	..	..	..	..	2	3	....	5	....	....	5	....	....	..	..	1	1	1	1	1	..	..	..	..	..
16. Abdominal Tuberculosis	5	1	..	..	..	..	1	..	1	....	1	1	....	..	..	..	..	3	2	....	5	....	....	5	....	....	..	1	..	..	1	2	..	..	..	..	..	..
17. Pott's Disease	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
18. Tuberculous Abscess	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..
23. Venereal Diseases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..
24. Cancer of Mouth	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	2	....	....	1	1	....	....	1	1	....	..	..	..	..	..	1	1	..	..	..	..
25. Cancer of Stomach and Liver	13	....	..	..	..	..	..	..	..	....	..	2	5	1	1	..	1	9	1	....	7	5	1	1	12	....	2	..	1	..	2	3	..	1	2	1	1	..
26. Cancer of Intestines	5	....	..	..	..	..	..	..	..	....	..	1	....	..	2	..	..	1	4	....	3	1	1	....	5	....	....	..	..	1	..	..	1	..	..	1	2	..
27. Cancer of Genital Organs	3	....	..	..	..	..	..	..	..	....	..	1	2	..	..	..	..	....	3	....	3	....	....	....	3	....	....	..	..	..	..	1	1	1	..	..	..	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	....	..	1	2	..	..	..	..	....	3	....	3	....	....	....	2	1	....	..	..	..	..	..	..	1	2	..	..	..
30. Cancer of other Unspecified Organs	18	....	..	..	..	..	..	..	..	....	1	3	6	5	3	..	..	8	10	....	10	7	1	4	14	....	..	..	3	1	3	1	2	2	3	..	1	1
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1
32. Rheumatism	10	....	..	..	..	..	..	3	..	....	..	1	4	1	1	..	..	6	4	....	9	1	....	4	6	....	..	3	..	..	3	..	..	2	..	2	..	..
33. Diabetes	8	....	..	..	..	..	..	1	1	1	..	..	2	1	1	1	..	4	4	....	5	3	....	3	3	2	1	..	2	..	..	..	1	1	1	1	1	..
34. Anæmia, Leukæmia	24	....	..	..	..	..	1	1	1	3	1	2	7	5	2	1	..	10	14	....	16	7	1	5	17	2	3	1	2	5	3	3	1	3	1	2	..	..
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	1	1	....	1	....	1	....	2	....	....	..	..	..	1	..	..	..	1	..	..	..
37. Other General Diseases	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
II.—Diseases of Nervous System.																																						
Group Total	98	18	8	2	2	2	2	8	5	5	6	3	8	6	17	6	..	45	53	....	70	22	6	61	31	6	5	8	5	12	7	11	12	9	7	6	8	8
39. Meningitis	17	6	4	1	..	1	1	1	1	2	....	....	....	..	..	..	..	11	6	....	17	....	....	15	2	....	....	..	1	1	2	4	4	1	..	2	1	1
41. Other Diseases of Spinal Cord	3	....	..	..	..	1	..	..	1	....	....	..	1	..	..	..	..	1	2	....	3	....	....	2	1	....	..	..	1	..	..	..	..	..	..	1	1	..
42. Apoplexy	16	....	1	..	..	..	1	..	..	....	1	..	2	1	7	3	..	8	8	....	8	8	....	6	7	3	1	..	1	4	2	1	1	3	..	..	2	1
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	..	..	..	1	..	..	1	....	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..
44. Paralysis	19	....	1	..	1	..	..	..	..	....	1	..	2	3	8	3	..	7	12	....	7	11	1	4	13	2	1	2	1	3	..	1	2	2	3	1	2	1
46. Other Forms of Mental Disease	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	....	2	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	1	..
47. Other Diseases of Brain	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
48. Epilepsy	13	....	..	..	..	..	..	5	3	1	1	1	2	..	..	..	..	5	8	....	9	1	3	12	1	....	2	1	..	1	..	2	2	1	..	..	..	3
19. Convulsions	18	12	2	1	1	..	..	1	..	....	..	..	1	..	..	..	..	6	12	....	18	....	....	17	1	....	1	3	2	3	..	2	1	2	2	1	..	1
51. Other Diseases of Nervous System	8	....	..	..	..	..	..	1	..	1	2	1	....	2	1	..	..	5	3	....	5	1	2	4	3	1	..	1	..	..	2	..	1	..	1	1	1	1
III.—Diseases of Circulatory System.																																						
Group Total	78	1	..	..	..	..	..	3	1	3	6	2	10	20	26	6	..	36	42	....	45	25	8	11	61	6	9	6	11	7	5	6	6	4	5	8	8	3
52. Pericarditis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
53. Endocarditis	5	....	..	..	..	..	..	..	..	1	1	..	....	2	1	..	..	4	1	....	3	1	1	4	....	....	1	..	..	..	..	..	1	..	..	2	1	..
54. Heart Disease	50	....	..	..	..	..	..	3	1	1	3	2	8	14	15	3	..	20	30	....	32	11	4	8	40	2	6	3	9	7	3	4	4	2	3	4	3	2
55. Angina Pectoris	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..
56. Diseases of Arteries	11	....	..	..	..	..	..	..	..	....	..	..	....	2	7	2	..	5	6	....	4	7	....	1	10	....	2	1	2	..	..	..	..	1	1	1	1	1
57. Embolism and Thrombosis	5	....	..	..	..	..	..	..	..	1	1	..	1	1	1	..	..	2	3	....	3	1	1	....	3	2	1	1	..	..	..	..	..	1	1	1	..
58. Diseases of Veins	2	....	..	..	..	..	..	..	..	....	1	..	..	..	..	1	..	1	1	....	1	....	1	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
60. Other Diseases of Circulatory System	3	1	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	2	1	....	2	1	....	1	2	....	..	..	..	..	2	1	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	96	23	4	4	1	..	3	1	3	5	3	5	11	10	16	7	..	51	45	....	64	30	2	54	38	4	14	15	17	7	10	8	4	2	4	4	4	7
62. Diseases of the Thyroid Body	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
63. Acute Bronchitis	17	7	2	1	..	..	1	..	..	....	..	..	1	2	2	1	..	6	11	....	11	6	....	11	6	....	2	3	2	2	..	1	..	1	1	2	1	2
64. Chronic Bronchitis	7	....	..	..	..	..	..	..	..	....	1	..	....	2	2	2	..	4	3	....	2	5	....	....	6	1	2	1	..	1	1	..	2	..	..	..	..	..
65. Broncho-pneumonia	6	2	..	2	..	..	..	..	..	....	..	..	....	..	1	1	..	4	2	....	4	2	....	5	1	....	..	..	3	..	1	1	1	..	..	..	..	..
66. Pneumonia	53	13	2	1	1	..	2	1	3	4	..	3	9	5	8	1	..	27	26	....	39	12	2	30	20	3	10	9	11	4	3	3	1	1	3	2	1	5
67. Pleurisy	7	....	..	..	..	..	..	..	..	1	2	1	1	..	1	1	..	6	1	....	4	3	....	5	2	....	..	..	1	1	..	1	2	..	..	..	..	..
68. Congestion of Lungs	3	1	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	2	1	....	3	....	....	2	1	....	..	..	..	..	3	..	..	..	..	..	..	..
70. Asthma and Emphysema	2	....	..	..	..	..	..	..	..	....	..	..	....	..	1	1	..	1	1	....	....	2	....	....	2	....	..	1	..	..	..	1	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	102	40	10	2	..	3	2	5	2	3	8	3	2	6	14	1	1	57	45	....	88	11	3	72	29	1	5	4	6	7	4	3	10	12	18	19	1	10
74. Tonsilitis	1	....	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
76. Ulcer of Stomach	5	....	..	..	..	..	..	..	..	....	1	1	....	1	2	..	..	3	2	....	3	2	....	2	3	....	..	..	..	1	1	..	1	..	1	..	..	1
77. Gastritis	2	1	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	1	1	..	..	..	..
78. Other Diseases of the Stomach	16	10	2	..	..	..	..	..	..	....	..	..	3	..	1	..	..	9	7	....	14	2	....	12	4	....	..	..	2	1	..	3	..	1	3	2	1	3
80. Diarrhœa and Enteritis (under 2 years)	36	28	8	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	19	....	36	....	....	36	....	....	2	..	..	..	2	..	6	5	8	11	1	1
81. Diarrhœa and Enteritis (2 years and over)	11	....	..	2	..	1	..	..	1	....	1	..	....	1	4	..	1	5	6	....	9	2	....	5	6	....	1	..	1	..	1	..	1	1	3	3	..	..
83. Obstruction of Intestines	3	1	..	..	..	..	..	1	..	....	1	..	....	..	..	..	..	2	1	....	3	....	....	2	1	....	..	..	..	1	..	..	..	..	1	..	..	1
84. Other Diseases of Intestines	2	....	..	..	1	..	..	..	..	....	..	..	....	..	1	..	..	2	....	....	1	1	....	2	....	....	..	..	1	..	..	..	1	..	..	..	..	..
87. Cirrhosis of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
88. Biliary Calculi	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..

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SIMCOE.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
126. Other Accidental Poisonings	2	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	2	..	..	1	1	..	2	..	..	..	..	..	..	1	..	..	..	..	1	..
127. Other Accidental Traumatisms	25	2	..	..	..	..	1	3	1	6	4	1	..	4	..	1	2	22	3	..	18	3	4	12	8	5	5	2	1	4	2	3	2	3	..	1	2	..
XIV.—Ill-Defined Diseases.																																						
Group Total	97	17	2	1	1	..	1	4	3	3	7	8	12	13	18	6	1	55	42	..	69	23	5	45	13	9	5	5	11	7	3	7	15	14	12	5	7	3
130. Dropsy	7	..	..	..	..	..	..	..	..	..	..	1	1	1	3	1	..	3	4	..	5	2	..	3	1	..	..	..	2	2	..	1	1	1	..	..	..	..
131. Heart Failure	38	1	..	1	..	..	..	..	..	2	3	1	8	9	10	3	..	20	18	..	24	12	2	7	28	3	4	3	8	5	3	5	4	1	1	2	2	..
132. Other ill-defined causes	29	14	2	..	1	..	..	1	3	..	2	1	2	2	..	1	..	18	11	..	27	1	1	26	3	..	1	2	4	..	..	..	..	3	7	6	1	3	2
133. Unknown causes	33	2	..	..	..	..	1	3	..	1	2	5	1	1	5	1	1	14	9	..	13	8	2	9	8	6	..	..	..	..	..	1	7	5	5	2	2	1
134. XV.—Still Births.																																						
Group Total	62	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35	26	1	62	..	..	62	..	..	11	7	10	5	5	7	..	2	4	1	3	4

CAUSES OF DEATH BY COUNTIES—IN STORMONT, DUNDAS AND GLENGARRY, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	893	179	12	16	16	9	16	17	32	60	46	53	70	91	124	146	6	481	412	.....	728	119	46	420	418	55	72	73	91	96	83	61	63	72	83	72	74	53
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	55	12	1	5	6	..	2	3	4	5	5	3	2	3	3	1	..	25	30	....	51	3	1	40	13	2	6	6	5	5	3	..	1	4	8	1	9	4
1. Typhoid Fever	24	1	..	1	..	..	1	2	4	5	5	3	1	1	..	..	..	9	15	....	21	3	....	11	8	2	2	1	4	1	2	..	1	2	6	..	5	..
4. Measles	2	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	....	2	..	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	3	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	....	3	..	..	3	..	..	..	..	..	..	..	1	..	..	1	1	..	..
7. Diphtheria and Croup	13	5	..	3	5	..	..	..	..	..	..	..	..	..	..	..	..	7	6	....	13	..	..	13	..	..	1	1	..	..	..	..	..	..	..	3	4	4
8. Influenza	11	4	..	..	1	..	1	..	..	..	..	..	1	1	2	1	..	4	7	....	11	..	..	8	3	..	2	2	1	4	..	..	..	1	..	1	..	..
10. Erysipelas	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	..	1	..	1	..	2	..	..	1	..	..	..	..	..	..	1	..	..	..
(B.—Other General Diseases.)																																						
Group Total	173	..	2	2	..	1	5	5	16	32	16	24	22	24	16	7	1	83	90	....	152	15	6	67	98	8	15	13	19	18	21	20	14	10	8	15	10	10
12. Septicæmia	2	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1	....	2	..	....	..	1	1	1	..	..	..	..	1	..	..	..	..	..	..

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STORMONT, DUNDAS AND GLENGARRY.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
V.—Diseases of Digestive System.																																						
Group Total	83	36	4	5	2	1	4	1	1	1	2	4	9	4	6	3	..	43	40	....	77	4	2	58	21	4	5	4	3	8	8	2	7	16	18	7	3	2
76. Ulcer of Stomach	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	....	2	....	2	....	....	....	2	....	..	..	..	1	1	..	..	..	..	..	..	..
77. Gastritis	2	1	..	..	..	..	..	..	1	....	..	..	..	..	..	..	..	1	1	....	2	....	....	2	....	....	..	1	..	..	..	..	..	1	..	..	..	..
78. Other Diseases of the Stomach	13	5	2	..	..	..	1	..	..	....	..	3	1	..	1	..	..	7	6	....	12	1	....	8	5	....	1	1	..	2	1	..	1	1	5	..	..	1
79. Dentition	3	3	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	2	1	....	3	....	....	3	....	....	..	1	..	..	1	..	..	..	..	1	..	..
80. Diarrhœa and Enteritis (under 2 years)	25	23	2	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	8	....	25	....	....	25	....	....	..	..	..	..	1	..	3	12	8	1	..	..
81. Diarrhœa and Enteritis (2 years and over)	8	....	..	2	1	..	..	..	..	....	..	..	1	1	1	2	..	4	4	....	7	1	....	2	1	2	1	..	..	1	..	..	1	1	3	1	..	..
82. Hernia	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
83. Obstruction of Intestines	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
84. Other Diseases of Intestines	9	2	..	..	1	..	1	1	..	....	..	..	2	1	1	..	..	4	5	....	6	2	1	6	2	1	..	1	1	2	..	..	2	..	1	1	1	..
85. Actue Yellow Atrophy of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
89. Other Diseases of Liver	5	....	..	..	..	1	..	..	..	....	..	..	2	1	1	..	..	....	5	....	5	....	....	3	2	....	..	..	..	1	1	2	..	..	..	..	1	..
91. Peritonitis, Non-puerperal	7	1	..	1	..	..	..	..	..	1	1	..	2	..	1	..	..	4	3	....	6	....	1	3	3	1	..	1	..	1	1	1	..	1	..	2	..	..
92. Appendicitis	6	1	..	..	..	..	2	..	..	....	..	1	1	..	1	..	..	3	3	....	6	....	....	1	2	....	2	..	..	..	..	..	1	..	..	1	1	..	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	29	....	..	..	..	..	..	1	1	1	4	1	2	8	8	3	..	15	14	....	21	5	3	6	19	4	2	3	1	3	1	..	1	1	6	2	2	4
94. Acute Nephritis	4	....	..	..	..	..	..	..	..	....	1	..	2	1	..	..	..	....	4	....	2	1	1	1	3	....	..	..	..	1	..	..	..	..	2	..	..	1
95. Bright's Disease	11	....	..	..	..	..	..	1	..	....	1	1	....	4	2	2	..	5	6	....	10	1	....	3	8	....	1	..	1	1	3	..	..	..	3	..	1	1
96. Other Diseases of Kidneys	7	....	..	..	..	..	..	..	1	....	1	..	....	2	3	..	..	5	2	....	1	2	1	1	5	1	1	2	..	..	1	..	..	..	1	1	..	1
98. Diseases of Bladder	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	1	..	2	1	....	2	1	....	....	2	1	..	1	..	1	..	..	..	..	..	..	..	1
103. Diseases of the Tubes	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
105. Other Diseases of the Genito-Urinary System	3	....	..	..	..	..	..	..	..	....	1	..	....	..	2	..	..	3	....	....	2	....	1	....	1	2	..	..	..	..	..	..	..	..	1	..	1	..
VII.—The Puerperal State.																																						
Group Total	10	....	..	..	..	..	..	..	..	3	6	..	....	..	..	..	1	....	10	....	9	1	....	....	10	....	1	..	2	..	1	....	2	..	1	3	..
106. Puerperal Septicæmia	4	....	..	..	..	..	..	..	..	2	1	..	....	..	..	..	1	....	1	....	3	1	....	....	4	....	1	..	1	..	..	..	..	1	..	..	1	..
107. Puerperal Convulsions	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
108. Other causes incident to Child-birth	5	....	..	..	..	..	..	..	..	1	4	..	....	..	..	..	..	....	5	....	5	....	....	....	5	....	..	..	1	..	..	..	..	1	..	1	2	..
VIII.—Diseases of Skin.																																						
Group Total	13	1	..	..	..	..	1	..	..	....	1	1	2	..	5	2	..	10	3	....	10	3	....	1	7	2	..	..	..	2	3	1	2	..	2	..	1	2
109. Gangrene	9	....	..	..	..	..	..	..	..	....	..	1	2	..	4	2	..	8	1	....	6	3	....	2	6	1	..	..	..	2	1	..	2	..	1	..	1	2
111. Abscess	1	1	..	..	..	..	1	..	..	....	1	..	....	..	1	..	..	2	2	....	4	....	....	2	1	1	..	..	..	..	1	1	..	..	1	..	..	..
IX.—Diseases of Locomotor System.																																						
Group Total	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	..	...	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
113. Diseases of the Bones	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..

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CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	557	213		32	7	9	8	22	14	14	67	58	46	26	17	8	4	12	362	195	.....	386	118	53	399	108	50	37	43	34	40	45	49	33	74	59	49	56	38
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	75	6	8	3	5	3	10	3	5	14	10	2	3	1	..	..	2	50	25	....	45	21	9	59	9	7	4	4	6	8	5	6	2	8	8	11	10	3
1. Typhoid Fever	36	....	2	..	..	..	..	..	1	3	13	10	2	2	1	..	..	2	33	3	....	7	20	9	21	8	7	..	..	1	..	2	1	1	1	6	10	10	1
4. Measles	3	1	1	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	....	....	....	..	..	2	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	18	2	2	3	2	2	1	1	2	....	..	..	..	....	..	..	..	..	8	10	....	18	....	....	3	....	....	..	..	..	..	..	..	1	..	..	..	..	..
6. Whooping Cough	3	2	..	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	11	1	2	..	..	1	6	1	..	....	..	..	..	....	..	..	..	..	5	6	....	11	....	....	11	....	....	2	..	3	2	1	..	..	..	1	..	2	..
8. Influenza	1	....	..	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
9. Dysentery	2	....	..	..	1	..	..	..	..	..	....	..	..	1	..	..	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	..
11. Other Epidemic Diseases	1	....	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																							
Group Total	46	3	2	1	..	..	1	2	5	9	9	5	1	1	3	..	1	29	17	....	32	16	8	25	15	6	2	5	3	4	3	3	6	2	4	3	4	7
13. Tuberculosis of Lungs	19	1	..	1	..	..	..	1	3	6	4	2	....	..	1	..	..	12	7	....	7	9	3	11	5	3	..	1	2	2	..	3	3	..	1	2	1	4
14. Tuberculosis of Larynx	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
16. Abdominal Tuberculosis	5	....	1	..	..	..	1	1	2	....	..	..	....	..	..	..	..	..	3	2	....	1	1	....	5	....	....	..	..	..	1	..	..	..	..	..	..	..	..
18. Tuberculous Abscess	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	1	....	..	..	..	..	..	..	..	....	1	2	....	1	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
30. Cancer of other Unspecified Organs	5	....	..	..	..	..	..	..	..	....	1	1	....	2	..	..	..	..	3	2	....	1	2	1	1	2	1	..	1	..	..	..	..	..	..	..	..	..	1
32. Rheumatism	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	..	3	1	....	3	1	....	1	4	....	1	2	..	1	1	..	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	2	..	1	..	..	..	..	..	..	....	1	..	....	1	..	..	..	..	....	2	....	1	1	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..
35. Alcoholism	5	....	..	..	..	..	..	..	..	....	1	2	....	1	..	..	..	1	....	5	....	1	1	3	2	3	....	..	1	..	..	1	..	1	..	..	..	2	..
36. Chronic Poisonings	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
II.—Diseases of Nervous System.																																							
Group Total	33	16	2	..	..	1	2	3	1	....	1	2	1	3	..	1	..	19	14	..	29	....	4	28	5	....	2	3	3	1	2	3	5	3	4	1	3	3
38. Encephalitis	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
39. Meningitis	5	1	2	..	..	1	1	..	..	....	..	..	....	..	..	..	..	..	5	....	....	5	....	....	5	....	....	1	1	..	1	..	..	1	..	1	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
42. Apoplexy	3	....	..	..	..	..	..	..	..	....	1	1	....	1	..	..	..	..	3	....	....	3	....	....	3	....	....	..	..	1	..	..	1	..	..	1	..	..	..
44. Paralysis	2	....	..	..	..	..	..	..	1	....	..	..	....	..	1	..	..	..	....	2	....	....	....	2	....	2	....	..	..	..	..	1	1	..	1	..	..	..	2
49. Convulsions	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..

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THUNDER BAY.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VIII.—Diseases of Skin.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..	..
X.—Malformations.																																						
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
116. Congenital Malformations (Still Births excluded)	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	49	49	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	27	22	....	49	....	....	49	....	....	2	5	3	3	4	3	2	6	8	4	3	6
117. Premature Birth	10	10	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	2	....	10	....	...	10	...	....	..	..	2	1	..	..	1	1	..	2	2	1
118. Congenital Debility	39	39	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	19	20	....	39	....	....	39	....	....	2	5	1	2	4	3	1	5	8	2	1	5
XII.—Old Age.																																						
Group Total	5	....	..	..	..	..	..	..	..	....	..	..	....	1	2	2	..	2	3	....	1	4	....	1	3	1	1	..	..	..	..	2	..	1	..	..	..	1
XIII.—Violence and other External Causes.																																						
Group Total	83	....	..	1	2	1	4	3	1	27	21	9	6	2	..	..	6	76	7	....	29	34	20	29	22	22	7	7	1	2	11	15	7	7	4	11	4
120. Suicides	2	....	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	2	....	....	....	1	1	....	1	1	1	..	..	..	..	1	..	..	..	..	..	..
121. Fractures and Dislocations	8	....	..	..	..	..	..	..	..	5	..	1	....	1	..	..	1	8	....	....	2	5	1	4	3	1	..	..	..	1	1	1	2	....	2	..	..
122. Burns and Scalds	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
123. Physical Phenomena	3	....	..	..	..	..	..	..	..	....	2	1	....	..	..	..	..	3	....	....	1	1	1	....	2	1	..	..	..	..	..	2	..	..	..	..	..	1
124. Drowning	33	...	..	..	..	1	2	..	..	9	6	2	1	..	..	..	2	33	....	....	12	5	6	12	3	8	..	..	..	..	5	8	4	1	1	..	4	..
125. Inhalation of Poisonous Gases	3	....	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	2	1	....	....	2	1	1	1	1	1	1	..	..	..	..	..	..	..	1	..	..
126. Other Accidental Poisonings	3	....	..	1	1	..	..	..	..	1	..	..	....	..	..	..	..	....	3	....	1	1	1	2	1	....	1	..	..	..	..	..	..	..	..	1	..	1
127. Other Accidental Traumatisms	40	....	..	..	..	1	3	1	1	11	13	3	3	1	..	..	3	38	2	....	12	19	9	19	11	10	4	5	1	1	5	3	2	4	6	2	5	2
XIV.—Ill-Defined Diseases.																																						
Group Total	46	10	6	1	..	..	2	1	1	5	5	7	5	3	..	..	..	30	16	....	29	14	3	27	15	4	2	4	7	2	3	3	3	6	8	2	4	2
131. Heart Failure	7	....	1	1	..	..	..	..	1	2	..	1	1	..	..	..	..	4	3	....	4	3	....	5	2	....	..	1	..	1	2	1	..	1	1	..	..	..
132. Other ill-defined causes	31	8	4	..	..	..	1	1	..	2	5	6	3	1	..	..	..	20	11	....	19	10	2	18	9	4	..	3	6	..	1	2	1	5	5	2	4	2
133. Unknown causes	8	2	1	..	..	..	1	..	..	1	..	..	1	2	..	..	..	6	2	...	6	1	1	4	4	....	2	..	1	1	..	..	2	..	2	..	..	..
XV.—Still Births.																																						
Group Total	48	48	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	30	18	....	48	....	....	48	....	....	7	3	3	7	5	3	2	3	1	6	7	1

CAUSES OF DEATH BY COUNTIES—IN VICTORIA, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	406	101	10	8	4	2	9	8	8	13	19	18	27	55	75	44	5	228	177	1	266	112	28	187	209	10	31	40	35	47	45	32	24	28	25	28	29	42
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	25	1	5	4	1	..	3	2	2	2	2	..	1	..	1	..	1	15	10	....	22	....	3	23	2	....	3	5	2	3	1	1	..	1	2	2	1	4
1. Typhoid Fever	7	....	....	....	....	....	....	....	2	2	2	..	1	....	....	....	....	6	1	....	6	....	1	6	1	....	..	..	..	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	13	1	4	3	1	..	1	2	..	....	....	....	....	....	....	....	1	7	6	....	13	....	....	13	....	....	3	4	2	..	1	..	..	1	..	1	1	..
6. Whooping Cough	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	3	....	..	1	....	..	2	....	....	....	....	....	....	....	....	....	....	1	2	....	1	....	2	3	....	....	..	..	..	..	1	..	..	..	..	..	..	..
8. Influenza	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	48	1	1	1	..	..	1	..	2	2	3	7	9	10	8	2	1	24	24	....	31	15	2	11	35	2	2	7	5	4	8	6	3	5	3	1	1	3
12. Septicæmia	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	12	....	....	....	....	....	1	..	1	1	1	3	2	1	2	..	..	5	7	....	8	4	....	1	11	....	..	3	3	..	3	1	..	1	..	1	..	..
15. Tuberculous Meningitis	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
20. Tuberculosis of other organs	1	1	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
24. Cancer of Mouth	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	2	....	....	....	....	....	....	....	....	....	....	....	1	..	1	....	....	2	....	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	..
26. Cancer of Intestines	6	....	....	....	....	....	....	....	....	....	....	....	1	2	1	2	....	3	3	....	3	2	1	....	2	....	..	..	1	..	..	..	1	..	..	..	..	..
27. Cancer of Genital Organs	2	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	1	..	..	..	..	..
30. Cancer of other unspecified organs	1	....	....	....	....	....	....	....	....	....	....	....	1	..	....	....	....	1	....	....	....	1	....	....	2	....	..	..	..	1	..	..	..	..	..	..	..	..
31. Tumors	12	....	....	1	....	....	....	....	....	1	..	2	3	3	2	....	....	7	5	....	8	4	....	5	7	....	2	1	..	..	1	3	1	2	..	..	..	2
33. Diabetes	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	1	....	2	....	....	....	1	1	..	..	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	4	....	....	....	....	....	....	....	....	....	1	..	....	1	1	....	....	....	3	....	1	1	1	....	3	....	..	1	..	1	..	..	..	..	..	..	..	1
35. Alcoholism	1	....	....	....	....	....	....	1	....	....	1	1	1	..	....	....	....	1	3	....	4	....	....	1	3	....	..	..	1	1	1	1	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	45	7	1	2	1	..	3	..	..	....	2	1	2	10	10	6	..	29	16	....	27	18	....	19	26	....	3	9	4	4	5	5	3	1	2	3	3	3
39. Meningitis	3	1	..	....	....	....	2	....	....	....	....	....	....	....	....	....	....	2	1	....	3	....	....	3	....	....	..	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	13	....	....	....	....	....	....	....	....	....	2	..	....	4	4	3	..	8	5	....	6	7	....	2	11	....	..	3	..	..	2	..	1	..	1	..	..	..
43. Softening of Brain	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
44. Paralysis	14	1	....	....	....	....	....	....	....	....	....	....	1	3	6	3	..	9	5	....	5	9	....	3	11	....	..	..	..	..	..	..	..	..	1	..	..	..
46. Other Forms of Mental Disease	1	....	....	....	....	....	....	....	....	....	....	....	1	..	....	....	....	....	1	....	....	1	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..	..
47. Other Diseases of Brain	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
48. Epilepsy	2	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	1	1	....	1	1	....	1	1	....	..	..	..	..	..	..	1	..	..	..	..	1

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
49. Convulsions	8	4	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	6	2	....	8	....	....	8	....	....	1	2	1	1	..	2	....	1	..	..	..
50. Tetanus	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	..	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	25	....	..	..	..	..	1	2	..	....	1	..	4	7	5	5	..	15	10	....	10	12	3	6	18	1	1	3	2	2	3	1	..	2	1	2	3	5
53. Endocarditis	3	....	..	..	..	..	1	..	..	....	1	..	1	..	..	..	..	1	2	....	2	....	1	1	2	....	..	1	..	..	..	..	..	..	..	1	..	1
54. Heart Disease	18	....	..	..	..	..	..	2	..	....	..	..	3	6	1	3	..	12	6	....	6	10	2	5	12	1	1	2	2	2	3	..	..	2	..	1	2	3
55. Angina Pectoris	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	1	1	....	2	....	....	....	2	....	..	..	..	..	..	1	..	..	1	..	..	..
56. Disease of Arteries	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	1	1	....	....	2	....	....	2	....	..	..	..	..	..	..	..	..	..	..	1	1
IV.—Diseases of Respiratory System.																																						
Group Total	34	7	1	..	..	..	1	....	..	1	3	2	1	9	6	2	1	15	19	....	23	10	1	12	21	1	10	4	3	6	1	1	..	1	..	2	3	..
61. Diseases of Larynx	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	8	1	..	..	..	..	..	..	..	....	..	..	....	2	2	..	..	1	4	....	6	2	....	5	3	....	4	2	..	1	..	1	..	..	..	..	..	..
64. Chronic Bronchitis	4	....	..	..	..	..	..	..	..	....	..	..	....	2	1	..	1	3	1	....	3	1	....	....	4	....	..	..	..	1	..	3	..	..	..	..	..	..
66. Pneumonia	16	2	1	..	..	..	..	..	..	1	3	1	1	1	3	..	..	6	10	....	11	4	1	5	11	....	5	2	2	3	1	..	..	..	..	2	1	..
68. Congestion of Lungs	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	4	....	..	..	..	..	..	..	..	....	..	1	....	1	..	2	..	1	3	....	1	3	....	....	3	1	..	..	..	1	..	..	1	..	..	2	..	..
V.—Diseases of Digestive System.																																						
Group Total	31	10	1	..	1	....	1	..	..	1	2	1	1	5	5	3	..	17	14	....	22	9	....	16	15	....	1	3	3	5	..	3	2	2	8	1	1	2
75. Other Diseases of Pharynx	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
76. Ulcer of Stomach	2	....	..	..	..	..	..	..	..	1	..	..	....	1	..	..	..	....	2	....	2	....	....	1	1	....	..	1	..	..	..	..	..	1	..	..	..	..
77. Gastritis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	6	1	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	1	2	....	1	2	....	4	2	....	..	..	..	..	..	1	..	3	1	1	..
80. Diarrhœa and Enteritis (under 2 years)	5	4	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	5	....	....	5	....	....	..	..	..	1	..	..	2	2	..	..	..	..
81. Diarrhœa and Enteritis (2 years and over)	5	....	..	1	..	..	..	..	..	....	..	..	....	..	2	2	..	2	3	....	3	3	....	1	1	....	..	1	2	1	..	..	..	1	..	..	..	..
82. Hernia	4	....	..	..	..	..	..	..	..	....	..	..	1	..	3	..	..	1	....	....	1	3	....	1	3	....	..	1	..	..	..	2	1	..	..	..	..	..
83. Obstruction of Intestines	3	2	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	2	1	....	3	....	....	2	1	....	..	..	..	2	..	..	..	..	..	..	..	1
89. Other Diseases of Liver	2	....	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	1	..	..	..	1	..	..	..	..
90. Diseases of Spleen	1	....	..	..	..	..	..	..	1	....	1	..	....	..	..	..	..	....	1	....	1	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	1
92. Appendicitis	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	14	....	..	..	..	..	..	1	..	2	..	3	1	3	2	2	..	7	7	....	8	3	3	2	12	....	1	..	1	2	..	2	..	..	1	2	1	4
94. Acute Nephritis	3	..	..	..	..	..	..	1	..	1	..	..	....	..	..	1	..	....	3	....	2	....	1	1	2	....	..	..	..	2	..	..	..	..	1	..	..	..
95. Bright's Disease	8	....	..	..	..	..	..	..	..	....	..	3	1	3	1	..	..	1	1	....	6	2	....	1	7	....	1	..	..	..	..	2	..	..	..	1	1	3
98. Diseases of Bladder	3	....	..	..	..	..	..	..	..	1	..	..	....	..	1	..	..	2	....	....	....	....	2	....	2	....	..	..	..	..	..	..	..	..	1	..	1
105. Other Diseases of the Genito-Urinary System	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	3	....	..	..	..	..	..	..	..	2	1	..	....	..	..	..	..	....	3	....	3	....	....	....	3	....	..	2	....	1	..	..	..	..	..	..	..	..
106. Puerperal Septicæmia	3	....	..	..	..	..	..	..	..	2	1	..	....	..	..	..	..	....	3	....	3	....	....	....	3	....	..	2	....	1	..	..	..	..	..	..	..	..

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CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																				
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	664	155	15	6	6	6	5	12	19	49	40	40	62	69	99	77	4	330	334	.....	425	195	44	303	348	13	67	78	51	54	56	46	50	54	57	61	47	49
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	37	5	..	1	4	2	1	2	1	7	4	..	2	2	3	2	1	20	17	....	29	4	4	24	12	1	5	8	3	3	1	..	3	3	3	1	5	2
1. Typhoid Fever	12	....	..	..	..	..	..	1	1	6	3	..	....	..	..	..	1	7	5	....	7	1	4	8	3	1	..	..	..	1	..	..	2	1	1	1	4	2
5. Scarlet Fever	3	....	..	..	1	1	..	..	..	1	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	2	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	6	....	..	1	2	1	1	1	..	....	..	..	....	..	..	..	..	3	3	....	6	....	....	6	....	....	2	1	1	1	..	..	..	..	..	..	1	..
8. Influenza	9	....	..	..	..	..	..	..	..	....	1	..	2	1	3	2	..	6	3	....	6	3	....	1	8	....	2	4	2	..	..	..	1	..	..	..	..	..	..
9. Dysentery	4	3	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	2	2	....	1	....	....	4	....	....	..	..	..	..	..	..	..	..	2	2	..	..	..
10. Erysipelas	3	2	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	2	....	3	....	....	2	1	....	1	1	..	..	1	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	123	1	2	..	1	..	..	5	5	13	19	13	25	14	15	1	..	59	64	....	85	32	6	43	77	3	18	12	11	9	9	11	8	13	8	11	5	8
12. Septicæmia	5	1	..	..	..	..	..	1	..	....	..	..	2	..	1	..	..	3	2	....	4	1	....	3	2	....	2	1	1	..	..	..	1	..	..	..	..	..
13. Tuberculosis of Lungs	38	....	..	..	..	..	..	2	5	15	8	5	3	1	..	..	..	21	18	....	30	8	1	24	15	....	7	3	3	1	2	3	1	9	1	5	3	1
15. Tuberculous Meningitis	2	....	1	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	1	..	..	1	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	6	....	..	..	..	..	..	1	..	1	2	2	....	..	..	..	..	2	4	....	4	2	....	2	4	....	..	..	1	1	..	..	1	1	..	..	1	..
20. Tuberculosis of other organs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
24. Cancer of Mouth	2	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	2	....	....	2	....	....	....	2	....	..	..	1	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	18	....	..	..	..	..	..	..	..	1	..	2	7	4	4	..	..	9	9	....	9	7	2	1	16	1	1	3	1	..	2	1	1	3	3	1	1
26. Cancer of Intestines	4	....	..	..	..	..	..	..	..	....	..	..	1	1	2	..	..	3	1	....	2	2	....	....	4	....	..	1	..	..	1	2	....	..	..	..	..	..
27. Cancer of Genital Organs	5	....	..	..	..	..	..	..	..	....	..	..	2	2	1	..	..	1	4	....	1	4	....	....	4	1	..	..	..	..	..	1	..	1	..	..	1	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	....	2	..	....	..	1	..	..	....	3	....	3	..	....	....	3	....	1	..	..	..	1	..	..	..	..	..	..	1
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
30. Cancer of other unspecified organs	9	....	..	..	..	..	..	..	..	....	..	..	2	1	4	2	..	5	4	....	3	6	....	1	8	....	2	1	1	1	..	..	1	..	..	1	..	2
31. Tumors	6	....	..	..	..	..	..	..	..	....	4	..	1	1	..	..	..	1	5	....	3	1	....	3	3	....	2	..	..	2	2	..	..	..	..	..	..	..
32. Rheumatism	8	....	..	..	1	..	..	1	..	1	..	2	1	..	1	1	..	4	4	....	7	....	1	3	....	....	..	1	..	..	..	3	1	1	1	..	..	1
33. Diabetes	4	....	1	..	..	..	..	..	..	....	..	1	2	..	..	..	..	1	3	....	4	....	....	1	3	....	..	..	..	1	2	..	..	1	..	..	..	..
34. Anæmia, Leukæmia	8	....	..	..	..	..	..	..	..	....	3	..	2	3	..	..	..	4	4	....	8	....	....	2	5	1	2	1	..	1	1	1	1	..	1	..	..	..
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
37. Other General Diseases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
II.—Diseases of Nervous System.																																						
Group Total	79	22	4	..	..	1	1	..	2	3	3	6	9	6	16	6	..	37	42	....	52	25	2	40	39	....	9	13	7	5	16	7	..	3	9	3	6	1
38. Encephalitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
39. Meningitis	7	2	1	..	..	..	1	..	1	1	..	1	....	..	..	..	..	3	4	....	5	2	....	7	....	....	..	..	..	1	1	1	..	1	1	..	2	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	3	....	..	..	..	..	..	..	..	3	..	..	....	..	..	..	..	....	3	....	2	1	....	...	3	....	..	1	..	2	..	..	..	..	..	..	..	..
106. Puerperal Septicæmia	2	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	...	2	..	1	1	....	....	2	....	..	..	..	2	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	4	1	..	..	..	..	..	..	..	....	1	..	....	..	1	1	..	....	4	....	1	3	....	2	2	....	2	..	..	..	..	..	1	..	..	..	1	..
111. Abscess	3	....	..	..	..	..	..	..	..	....	1	..	....	..	1	1	..	...	3	....	....	3	....	1	2	....	2	..	..	..	..	..	1	..	..	..	..	..
112. Other Diseases of Skin	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	...	1	...	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
IX.—Diseases of Locomotor System.																																						
Group Total	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	....	1	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
113. Diseases of the Bones	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	...	....	....	1	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
X.—Malformations.																																						
Group Total	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	2	....	8	....	....	8	....	....	..	..	1	..	..	1	2	..	2	1	..	1
116. Congenital Malformations (Still Births excluded)	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	2	....	8	....	....	8	....	....	..	..	1	..	..	1	2	..	2	1	..	1
XI.—Early Infancy.																																						
Group Total	36	33	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	18	18	...	36	....	....	36	....	....	3	4	2	1	5	3	2	2	3	6	..	5
117. Premature Birth	17	17	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	8	9	....	17	....	....	17	....	....	1	2	1	1	4	..	1	1	2	3	..	1
118. Congenital Debility	19	19	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	10	9	....	19	....	....	19	....	....	2	2	1	1	1	3	1	1	1	3	..	4
119. XII.—Old Age.																																						
Group Total	57	....	..	..	..	..	..	..	..	....	..	..	....	3	18	36	..	25	32	....	10	41	6	1	54	2	4	11	5	4	2	3	5	4	3	4	5	7
XIII.—Violence and other External Causes.																																						
Group Total	26	....	..	1	..	2	..	1	1	4	3	3	5	2	3	1	..	17	9	....	17	7	2	9	15	2	1	7	1	5	2	1	..	..	4	1	1	3
120. Suicides	1	....	..	..	..	..	..	..	..	2	1	1	....	..	..	..	..	3	1	....	3	1	....	1	3	....	..	2	..	1	..	..	..	..	1	..	..	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..
123. Physical Phenomena	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	1	..	..	..	2	1	..	..	1	..	..
124. Drowning	5	....	..	1	..	2	..	..	..	1	..	1	....	..	..	..	..	4	1	....	5	....	....	3	1	1	..	1	..	..	..	..	..	..	..	..	..	..
125. Inhalation of Poisonous Gases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	...	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
126. Other Accidental Poisonings	2	....	..	..	..	..	..	1	..	....	..	..	....	1	..	..	..	1	1	....	2	....	....	1	1	....	..	1	..	..	..	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	12	....	..	..	..	..	1	..	..	1	1	1	4	1	2	1	..	8	1	...	5	5	2	3	9	....	1	2	1	2	..	..	..	..	2	1	..	3
XIV.—Ill-Defined Diseases.																																						
Group Total	57	13	2	..	..	..	1	1	1	3	1	5	6	8	7	8	1	26	31	....	32	16	9	21	32	1	5	3	2	4	5	3	10	6	3	6	6	4
130. Dropsy	8	....	..	..	..	..	..	..	..	1	..	..	1	2	3	..	1	4	4	....	2	6	....	1	7	....	..	1	..	1	2	2	..	2	..	1	..	1
131. Heart Failure	16	....	..	..	..	..	..	..	..	....	1	4	1	2	3	2	..	3	13	....	7	5	3	3	12	1	2	1	2	2	3	2	1	1	..	1	..	..
132. Other ill-defined causes	20	13	2	..	..	..	1	..	1	....	..	..	1	1	..	1	..	15	5	..	18	2	...	17	3	....	2	1	..	..	..	1	4	2	2	3	3	2
133. Unknown causes	13	....	..	..	..	..	1	..	..	2	..	1	...	3	1	5	..	4	9	...	4	3	6	3	10	...	1	..	..	1	..	..	3	3	1	1	2	1
134. XV.—Still Births.																																						
Group Total	24	24	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	14	10	....	24	....	....	24	....	....	3	2	3	..	1	3	4	2	3	..	2	1

CAUSES OF DEATH BY COUNTIES—IN WELLAND, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	518	113	7	5	7	2	15	10	13	32	27	37	41	67	83	50	9	274	237	7	374	121	23	222	262	34	56	53	59	47	38	30	54	45	34	43	31	28
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	35	4	1	..	4	1	6	1	5	5	2	..	1	..	4	1	..	11	24	....	32	3	....	27	8	....	3	6	8	3	4	2	1	..	1	5	1	1
1. Typhoid Fever	12	....	..	..	..	..	1	..	3	4	2	..	1	..	1	..	..	2	10	....	10	2	....	7	5	...	2	3	1	1	2	..	1	..	..	1	1	..
2. Malarial Fever	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
4. Measles	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
5. Scarlet Fever	6	....	..	..	1	..	2	1	1	1	..	..	....	..	..	..	..	3	3	....	6	....	....	6	....	....	..	..	3	2	1	..	..	..	..	..	..	..
6. Whooping Cough	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	1	1	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	9	1	1	..	3	1	3	..	..	....	..	..	....	..	..	..	..	5	4	....	9	....	....	9	....	....	..	..	1	1	..	..	..	1	4	..	1
8. Influenza	3	....	..	..	..	..	..	..	1	....	..	..	....	..	1	1	..	....	3	....	3	....	....	2	1	....	..	..	1	1	..	1	..	..	..	..	..	..
9. Dysentery	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	75	2	..	..	..	..	1	1	1	11	12	8	10	17	9	1	2	42	33	....	19	20	6	17	52	6	11	6	7	9	8	5	4	6	3	8	4	4
13. Tuberculosis of Lungs	31	....	..	..	..	..	1	1	..	10	6	4	1	4	3	..	1	21	10	....	21	7	3	9	18	4	2	2	1	4	4	4	..	3	2	4	4	1
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	....	1	....	1	....	....	..	..	..	1	....	..	1	....	..	..	..	..
17. Pott's Disease	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	....	..	..	..	..	..	..
21. General Tuberculosis	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	8	....	..	..	..	..	..	..	..	....	..	1	3	2	1	..	1	4	4	....	4	3	1	1	6	1	3	..	1	..	1	2	..	..	..	..	..	1
26. Cancer of Intestines	1	..	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	....	1	1	....	..	..	..	..	....	2	....	2	....	....	....	2	....	..	1	..	..	..	..	..	..	..	1	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	14	....	..	..	..	..	1	..	..	....	2	2	1	5	3	..	..	6	8	....	10	4	....	2	12	....	3	2	3	2	2	..	1	..	..	..	..	1
31. Tumors	2	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	....	2	....	1	1	....	....	2	....	..	..	..	..	1	..	1	..	..	..	..	..
33. Diabetes	4	1	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	4	....	....	3	1	....	1	3	....	2	..	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	7	..	..	..	..	..	..	..	..	1	2	..	2	2	..	..	..	2	5	....	4	2	1	....	7	....	1	1	..	..	2	..	..	..	..	..	..	1
35. Alcoholism	1	...	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
II.—Diseases of Nervous System.																																						
Group Total	52	6	1	1	1	1	..	1	1	1	..	4	7	9	15	3	1	24	28	....	38	12	2	19	31	2	6	8	6	6	6	2	5	1	2	1	2	4
39. Meningitis	7	1	..	1	..	1	..	1	1	1	..	..	....	..	1	..	..	3	4	....	6	1	....	5	2	....	..	1	1	..	2	..	1	1	..	..	..	1
41. Other Diseases of Spinal Cord	3	....	..	..	..	..	..	..	..	....	..	1	..	1	1	..	..	2	1	....	1	2	....	....	3	....	..	..	..	1	..	..	1	..	..	..	..	..
42. Apoplexy	14	..	..	..	..	..	..	..	..	..	..	1	4	4	5	..	..	6	8	...	10	3	1	....	13	1	1	1	1	2	2	2	1	1	..	1	2	..
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
44. Paralysis	20	..	..	..	..	..	..	..	..	..	..	2	3	3	8	3	1	9	11	....	14	5	1	7	13	....	4	3	3	3	1	..	2	2	1	..	..	1
49. Convulsions	6	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3	....	6	..	....	6	..	....	..	3	1	..	1	..	..	..	..	1	..	..
51. Other Diseases of Nervous System	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	1	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	38	..	..	..	..	..	2	1	..	2	7	3	6	14	3	..	19	19	.	21	14	3	7	27	1	4	8	8	2	..	5	1	3	2	3	2	
52. Pericarditis	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
54. Heart Disease	31	..	..	..	..	..	2	..	..	2	7	3	6	12	3	..	17	17	....	19	13	2	6	24	..	2	6	8	2	..	5	1	3	2	3	2	
56. Diseases of Arteries	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
57. Embolism and Thrombosis	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
59. Diseases of Lymphatics	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	45	9	2	2	1	..	2	..	..	4	2	3	3	6	7	3	1	26	19	....	33	11	1	20	23	2	7	9	13	4	1	1	2	2	2	1	2
61. Diseases of Larynx	2	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	1	....	2	..	....	1	1	....	..	..	..	1	..	..	..	..	1	..	..	
62. Diseases of the Thyroid Body	3	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	3	....	3	..	....	1	2	..	..	..	..	..	..	..	1	..	1	..	..	1
63. Acute Bronchitis	1	1	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..	3	1	....	4	..	....	2	2	....	2	1	1	..	..	..	..	..	..	..	..	
65. Broncho-Pneumonia	5	3	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	1	..	1	..	1	1	1	....	2	..	1	..	1	..	..	..	1	..	..	
66. Pneumonia	27	4	1	2	..	..	..	..	..	4	2	..	2	3	6	2	1	15	12	....	17	9	1	10	16	1	3	9	9	3	..	..	2	..	..	1	1
67. Pleurisy	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	
68. Congestion of Lungs	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	2	..	..	1	..	1	..	..	2	..	..	..	..	..	..	..	..	
70. Asthma and Emphysema	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	
V.—Diseases of Digestive System.																																						
Group Total	41	18	..	..	1	..	1	1	1	....	1	4	3	5	1	2	..	25	16	....	34	6	1	27	14	2	2	2	2	3	5	3	5	2	5	7	3	2
74. Tonsilitis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	
77. Gastritis	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
78. Other Diseases of the Stomach	8	2	..	..	1	..	..	..	..	..	1	..	..	2	2	..	..	6	2	....	6	2	....	5	2	1	..	1	2	2	..	1	..	1	1	..	..	
79. Dentition	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	..	....	..	..	..	..	..	..	..	..	..	..	..	1
80. Diarrhœa and Enteritis (under 2 years)	15	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	7	....	15	..	....	15	..	....	1	..	..	..	2	2	..	2	3	1	1	..
81. Diarrhœa and Enteritis (2 years and over)	3	..	..	..	..	..	1	..	..	..	..	1	..	1	..	..	..	2	1	..	2	1	....	1	..	....	..	1	..	..	..	..	1	..	..	1	..	..
83. Obstruction of Intestines	2	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	..	..	1	..	..	..	..	..	..
84. Other Diseases of Intestines	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	..	..	1	..	..	..	..	..	..
85. Acute Yellow Atrophy of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	..	....	..	1	....	..	1	..	..	..	..	..	..	..	..	..	..
87. Cirrhosis of Liver	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	3	1	....	2	1	1	..	3	1	..	..	..	..	1	..	1	..	..	1	..	1
88 Biliary Calculi	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..
89. Other Diseases of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	..	....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
91. Peritonitis, Non-Puerperal	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	....	1	..	....	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
92. Appendicitis	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
VI.—Diseases of Genito Urinary System.																																						
Group Total	20	..	..	..	..	..	..	..	..	..	1	3	3	6	3	1	..	10	10	....	9	10	1	2	16	2	1	..	..	1	..	..	3	3	..	3	2	1
94. Acute Nephritis	4	..	..	..	..	..	..	..	..	..	1	2	..	1	..	..	..	..	4	....	2	1	1	1	3	....	1	..	..	1	..	..	..	..	1	..	1	
95. Bright's Disease	8	..	..	..	..	..	..	..	..	..	..	..	2	3	..	3	..	5	3	....	4	4	....	..	6	2	1	..	..	2	..	1	1	..	2	1	..	
96. Other Diseases of Kidneys	3	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	1	2	....	2	1	....	..	3	....	2	..	..	..	..	1	..	..	..	..	..	
98. Diseases of Bladder	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	..	..	2	....	1	1	..	..	..	..	1	..	..	1	..	..	..	..	
105. Other Diseases of the Genito-Urinary System	3	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	2	1	....	1	2	....	..	3	....	..	..	..	..	..	..	1	1	..	..	1	..

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CAUSES OF DEATH BY COUNTIES—IN WELLINGTON, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	674	153		7	4	2	4	8	6	15	44	45	34	56	79	104	113	.....	352	321	1	432	211	31	295	373	6	79	70	56	42	58	54	56	53	57	53	45	51
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	39	7	3	1	..	1	2	..	4	5	5	1	1	2	2	5	..	20	19	....	28	10	1	24	15	....	4	3	6	2	2	2	4	4	5	4	1	2
1. Typhoid Fever	13	....	..	..	..	..	..	..	3	5	2	1	1	..	1	..	..	..	7	6	....	9	3	1	8	5	....	..	..	..	..	..	..	2	2	3	3	1	2
4. Measles	2	....	..	..	..	..	1	..	1	....	..	..	..	..	..	..	..	..	....	2	....	2	....	....	2	....	....	..	1	1	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
6. Whooping Cough	8	6	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	2	....	8	..	....	8	..	....	..	..	..	..	1	2	1	2	2	..	..	..
7. Diphtheria and Croup	2	....	..	..	..	1	1	..	..	....	..	..	..	..	..	..	..	..	....	2	....	2	....	....	2	....	....	1	..	..	..	..	..	1	..	..	..	..	..
8. Influenza	10	1	..	..	..	..	..	..	..	....	2	..	....	2	1	4	..	..	5	5	....	5	5	....	2	8	....	2	2	4	1	1	..	..	..	..	..	..	..
10. Erysipelas	3	....	1	..	..	..	..	..	..	....	1	..	....	..	..	1	..	..	2	1	....	1	2	....	1	2	....	1	..	..	1	..	..	..	..	..	1	..	..
(B.—Other General Diseases.)																																							
Group Total	126	1	1	..	..	..	..	1	2	4	20	18	20	18	21	18	2	..	56	70	....	95	23	8	45	80	1	18	9	9	11	13	9	9	8	13	14	6	7
12. Septicæmia	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	45	....	..	..	..	..	..	1	4	14	9	9	4	1	3	..	..	..	20	25	....	38	5	2	23	22	....	8	6	3	5	3	2	3	1	4	6	2	2
15. Tuberculous Meningitis	2	....	1	..	..	..	..	1	..	....	..	..	..	..	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	2	..	..
20. Tuberculosis of other organs	2	1	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	1	1	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	7	....	..	..	..	..	..	..	..	....	..	..	1	....	3	2	1	..	3	4	....	3	4	....	1	6	....	..	1	1	1	..	1	1	1	..	..	..	..
26. Cancer of Intestines	5	....	..	..	..	..	..	..	..	....	..	1	1	1	2	..	..	..	1	4	....	3	2	....	1	4	....	1	..	..	2	1	..	..	..	1	..	..	..
27. Cancer of Genital Organs	6	....	..	..	..	..	..	..	..	1	..	2	2	1	..	..	..	..	....	6	....	5	....	1	2	4	....	..	..	..	..	1	1	..	2	2	..	..	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	....	..	1	1	1	..	..	..	..	....	3	....	2	....	1	....	3	....	..	..	1	..	..	..	..	1	1	..	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	..	..	1	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
30. Cancer of other unspecified organs	20	....	..	..	..	..	..	..	..	....	2	1	5	7	5	..	..	..	11	9	....	13	5	2	4	15	1	2	..	2	2	4	2	1	..	1	2	1	3
31. Tumors	2	....	..	..	..	..	..	..	..	....	..	..	..	1	1	..	..	..	....	2	....	1	....	1	....	2	....	....	..	1	1	..	..	..	..	..	..	..	..
32. Rheumatism	6	....	..	..	..	..	..	..	..	....	3	..	....	1	2	..	..	..	3	3	....	3	3	....	4	2	....	1	1	..	..	..	1	..	..	..	1	1	..
33. Diabetes	3	....	..	..	..	..	..	..	..	....	..	..	1	1	1	..	..	..	2	1	....	2	....	1	2	1	....	..	..	..	..	..	..	..	..	..	..	..	1
34. Anæmia, Leukæmia	17	....	..	..	..	..	1	..	..	....	5	2	3	4	2	..	..	..	6	11	....	15	2	..	3	14	....	5	..	1	1	2	1	1	2	..	1	1	1
35. Alcoholism	3	....	..	..	..	..	..	..	..	....	1	2	....	..	..	..	..	..	3	....	....	3	....	....	....	3	....	..	..	..	..	1	..	1	..	..	1	..	..
36. Chronic Poisonings	2	....	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2	....	....	....	2	....	1	1	....	..	..	..	..	1	..	..	1	..	..	..	..
II.—Diseases of Nervous System.																																							
Group Total	64	14	..	1	..	..	2	..	2	2	3	2	11	11	7	9	..	34	30	...	45	16	3	27	37	...	8	3	9	5	7	5	4	8	2	3	5	5
38. Encephalitis	1	....	..	..	..	..	1	..	..	....	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
39. Meningitis	5	4	..	..	..	..	..	..	..	1	....	..	..	..	..	..	..	..	3	2	....	5	....	....	5	....	....	..	..	..	..	1	1	..	..	..	1	1	1

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WELLINGTON.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—THE PUERPERAL STATE.																																						
Group Total	8	..	..	..	..	..	..	..	..	2	5	1	..	..	..	..	..	..	8	..	7	1	..	1	7	..	2	..	3	..	1	..	..	..	..	1	..	1
106. Puerperal Septicæmia	3	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	3	..	2	1	..	..	3	..	1	..	2	..	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	5	..	..	..	..	..	..	..	..	2	3	..	..	..	..	..	..	..	5	..	5	..	..	1	4	..	1	..	1	..	1	..	..	..	1	..	1
VIII.—DISEASES OF SKIN.																																						
Group Total	6	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	..	4	2	..	2	3	1	..	6	..	..	..	..	..	2	1	..	..	..	..	3	..
109. Gangrene	.	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	4	..	..	2	2	..	..	4	..	..	..	..	..	2	1	..	..	..	..	1	..
111. Abscess	.	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	..	1	1	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..
X.—MALFORMATIONS.																																						
Group Total	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	..	..	3	..	..	1	..	..	..	..	..	..	1	1	..	..	..
116. Congenital Malformations (Still Births excluded)	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	..	..	3	..	..	1	..	..	..	..	..	..	1	1	..	..	..
XI.—EARLY INFANCY.																																						
Group Total	52	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	28	..	52	..	..	52	..	..	8	1	4	3	2	1	3	8	5	4	8	2
117. Premature Birth	12	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	4	..	12	..	..	12	..	..	..	..	..	..	1	..	2	2	1	1	4	..
118. Congenital Debility	40	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	24	..	40	..	..	40	..	..	8	1	1	2	2	2	1	7	4	3	4	2
119. XII.—OLD AGE.																																						
Group Total	78	..	..	..	..	..	..	..	..	..	..	..	..	4	21	53	..	44	31	..	16	57	5	5	72	1	10	13	4	4	7	5	1	5	5	4	4	13
XIII.—VIOLENCE AND OTHER EXTERNAL CAUSES.																																						
Group Total	22	..	..	..	..	1	1	..	3	4	3	..	1	3	3	3	..	14	8	..	13	8	1	10	12	..	1	1	..	2	2	3	3	2	..	4	2	2
124. Drowning	.	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	1	..	2	..	..	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..
126. Other Accidental Poisonings	3	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	3	..	2	1	..	1	2	..	..	1	..	..	..	..	..	..	2	..	..	..
127. Other Accidental Traumatisms	17	..	..	..	..	1	..	2	..	1	2	..	1	2	2	3	..	13	4	..	9	7	1	7	10	..	1	..	..	2	2	2	..	..	4	2	2
XIV.—ILL-DEFINED DISEASES.																																						
Group Total	54	11	..	1	..	..	..	1	1	4	3	4	7	4	10	8	..	28	26	..	35	16	3	24	28	2	3	8	1	..	7	2	10	5	8	3	5	2
130. Dropsy	2	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	1	2	..	1	2	..	1	2	..	..	..	..	..	1	..	..	1	1	..	..	..
131. Heart Failure	20	..	..	..	..	..	..	..	1	1	1	2	4	3	5	3	..	11	9	..	12	7	1	6	14	..	3	4	1	..	5	2	2	2	1	..	..	..
132. Other ill-defined causes	15	10	..	1	..	..	..	1	..	..	..	1	..	1	..	1	..	11	4	..	15	..	..	14	1	..	..	4	..	..	1	..	1	1	5	1	2	..
133. Unknown causes	16	1	..	..	..	..	..	..	..	2	2	1	3	..	4	3	..	5	11	..	7	7	2	3	11	2	..	..	..	..	..	..	7	1	1	2	3	2
134. XV.—STILL BIRTHS.																																						
Group Total	36	36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23	12	1	36	..	..	36	..	..	2	5	3	6	3	4	4	2	1	1	1	4

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	1511	456	30	16	8	7	24	20	29	88	101	108	122	171	195	120	16	795	706	10	1007	428	76	748	675	88	150	132	127	110	108	117	111	156	163	114	109	114
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	64	11	1	5	3	4	11	5	1	4	4	1	3	4	1	3	..	36	28	....	58	6	....	15	14	1	10	7	3	1	1	..	4	6	13	9	5	5
1. Typhoid Fever	14	....	..	..	..	..	1	1	1	4	3	1	2	1	..	..	..	8	6	....	11	3	....	7	6	1	1	1	..	..	..	..	2	1	3	5	1	..
5. Scarlet Fever	10	....	1	1	1	1	4	2	..	..	..	..	..	..	..	..	..	6	4	....	10	..	....	10	....	....	2	2	..	..	..	..	..	1	1	..	2	1	..
6. Whooping Cough	10	4	3	1	1	1	..	..	..	..	..	..	..	..	..	..	..	5	5	....	10	..	....	10	....	....	..	..	..	..	1	..	..	3	3	..	..	..	..
7. Diphtheria and Croup	13	..	..	3	..	2	6	2	..	..	..	..	..	..	..	..	..	3	10	....	13	..	....	13	....	....	1	..	..	..	..	..	..	1	2	3	2	3	1
8. Influenza	8	....	..	..	..	..	..	..	..	..	1	..	1	2	1	3	..	3	5	....	5	3	....	2	6	....	1	2	1	..	..	..	..	..	1	..	2	1	..
9. Dysentery	7	6	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	3	4	....	6	1	....	6	1	....	..	..	1	..	..	..	1	4	..	..	1	..
10. Erysipelas	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	....	1	1	....	1	1	....	..	..	1	..	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	233	4	2	1	1	1	3	5	11	38	36	37	32	31	20	6	2	120	113	....	140	75	18	8	128	19	25	25	19	14	17	23	18	22	15	14	16	21
12. Septicæmia	9	1	..	..	..	..	..	..	1	..	1	1	3	2	..	..	..	5	3	....	4	4	1	3	5	1	1	3	2	..	..	..	..	..	..	..	..	1
13. Tuberculosis of Lungs	109	....	1	..	1	1	..	1	3	36	25	16	7	5	3	2	..	65	44	....	72	34	3	55	46	8	7	15	8	7	6	12	14	9	6	7	10	10
14. Tuberculosis of Larynx	2	....	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	1	1	....	2	..	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
15. Tuberculous Meningitis	1	....	1	1	..	..	..	..	..	..	1	1	..	..	..	..	..	2	2	....	2	..	....	2	..	....	1	..	..	..	1	..	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	5	1	..	..	..	..	..	1	..	1	..	1	..	1	..	..	..	3	2	....	4	1	....	2	3	....	1	1	..	..	..	..	..	..	..	1	..	1
17. Pott's Disease	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	..	1	....	1	..	....	..	..	..	..	..	1	..	..	..	..	..	..	..
20. Tuberculosis of other organs	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	....	1	..	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
23. Venereal Diseases	3	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	2	1	....	3	..	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
24. Cancer of Mouth	3	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	3	..	....	1	2	....	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	18	....	..	..	..	..	..	..	..	..	..	3	4	7	4	..	..	8	10	....	6	8	4	4	12	2	3	1	..	..	..	..	2	..	3	1	1	1
26. Cancer of Intestines	8	....	..	..	..	..	..	..	..	..	1	..	3	3	1	..	..	3	5	....	1	4	....	..	1	1	1	1	..	..	..	..	..	..	1	..	..	..	..
27. Cancer of Genital Organs	4	....	..	..	..	..	..	..	..	1	1	1	1	..	..	..	..	1	3	....	2	2	....	..	4	....	1	1	..	..	..	..	..	1	..	..	..	..	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	3	....	1	1	1	1	2	....	..	..	..	..	1	1	..	..	..	1	..	..	..
30. Cancer of other unspecified organs	20	....	..	..	..	..	..	..	..	..	2	3	6	3	5	1	..	13	7	....	10	7	3	3	13	4	3	1	2	1	3	2	..	1	2	..	3	..
31. Tumors	6	....	..	..	..	..	..	..	1	..	..	..	1	2	1	..	..	4	2	....	3	3	....	1	4	1	1	..	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	9	....	..	..	..	..	..	..	..	..	2	..	1	2	1	..	..	4	5	....	7	1	1	4	4	1	2	1	..	..	..	1	..	1	..	1	1	..
33. Diabetes	10	....	..	..	..	..	2	..	1	..	2	..	1	1	2	..	..	4	6	....	6	3	1	4	4	2	2	1	..	..	..	1	..	1	2	..	1	1
34. Anæmia, Leukæmia	11	....	..	..	..	..	..	..	..	..	2	3	3	1	..	..	..	6	5	....	8	3	1	3	7	1	2	1	1	1	..	1	..	2	..	1	2	..
35. Alcoholism	2	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2	....	1	1	....	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..
37. Other General Diseases	5	..	..	..	..	..	..	1	1	..	..	2	..	1	..	..	..	3	..	....	4	..	1	1	4	..	1	..	..	..	1	..	..	..	1	..	1	..	..
II.—Diseases of Nervous System.																																						
Group Total	184	31	8	1	2	..	1	3	..	4	10	17	15	32	37	17	3	97	87	...	114	60	10	72	100	12	17	11	19	13	15	19	11	11	17	15	14	16
38. Encephalitis	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	....	....	2	..	....	..	..	..	..	1	..	..	1	..	..	..	..

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
39. Meningitis	19	7	5	..	..	..	..	1	..	1	2	3	..	..	..	..	..	8	11	....	17	2	....	16	3	....	2	2	2	1	..	1	1	1	5	2	..	2
41. Other Diseases of Spinal Cord	5	..	1	..	..	..	..	..	..	..	1	1	..	..	1	1	..	1	4	....	2	3	....	1	4	....	..	..	..	..	..	..	..	1	..	2	..	2
42. Apoplexy	66	5	..	..	..	..	..	..	..	1	1	3	7	17	19	11	2	34	32	....	31	30	5	11	47	8	10	8	7	4	5	9	5	8	..	2	3	5
43. Softening of Brain	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	..	....	..	2	....	..	2	....	..	..	..	..	..	1	..	..	1	..	..	..	..
44. Paralysis	37	..	..	..	..	..	..	1	..	..	3	5	2	6	14	5	1	24	13	....	22	11	1	5	30	2	2	2	6	4	2	4	2	2	5	4	3	1
46. Other forms of Mental Disease	15	..	..	..	..	..	..	..	..	1	2	3	2	6	1	..	..	5	10	....	9	4	2	6	9	....	..	1	2	3	..	2	1	..	1	1	3	1
47. Other Diseases of Brain	3	..	..	1	..	..	..	..	..	..	..	1	1	..	..	..	..	3	..	....	1	1	1	2	1	....	..	..	..	..	..	..	..	..	..	..	2	1
48. Epilepsy	5	..	..	..	..	..	..	..	..	1	..	..	2	1	1	..	..	2	3	....	2	3	..	2	2	1	1	1	..	..	..	1	..	..	1	..	..	1
49. Convulsions	25	21	2	..	..	1	..	..	..	..	1	..	..	..	..	..	..	15	10	....	25	..	..	24	1	....	2	..	2	..	6	2	2	..	4	1	3	3
50. Tetanus	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
51. Other Diseases of Nervous System	4	..	..	1	..	..	1	..	..	..	1	..	..	..	1	..	..	1	3	....	2	1	1	3	1	....	..	..	..	1	..	..	..	..	1	2	..	..
III.—Diseases of Circulatory System.																																					
Group Total	**133**	5	..	..	..	..	3	1	6	2	12	12	21	29	26	14	2	71	62	....	61	55	14	30	87	16	14	8	12	7	12	11	9	5	15	11	14	15
52. Pericarditis	2	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	....	2	..	..	1	1	....	..	..	1	..	..	..	..	..	..	..	..	1
53. Endocarditis	13	4	..	..	..	1	..	1	..	..	3	1	1	2	..	..	..	5	8	....	7	5	1	4	8	1	..	1	3	2	1	2	1	..	..	3	..	..
54. Heart Disease	76	..	..	..	..	2	1	3	..	2	7	6	12	20	16	6	1	40	36	....	38	23	9	17	50	9	8	5	3	4	7	6	5	3	11	5	11	8
55. Angina Pectoris	3	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	1	2	....	3	..	..	1	2	....	2	..	..	..	..	..	..	..	..	..	..	..	1
56. Diseases of Arteries	29	..	..	..	..	..	..	..	..	..	..	..	3	6	1	10	8	1	22	7	....	9	16	4	5	19	5	2	..	5	1	1	2	2	4	3	3	4
57. Embolism and Thrombosis	4	..	..	..	..	..	..	1	..	..	..	..	..	..	3	..	..	1	3	....	1	3	..	1	3	....	1	2	..	..	1	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	6	..	..	..	..	..	..	1	..	..	1	1	..	..	3	..	..	1	5	....	4	2	....	1	4	1	1	..	..	..	2	1	1	..	..	..	..	1
IV.—Diseases of Respiratory System.																																					
Group Total	**131**	37	5	4	1	2	2	2	2	5	8	4	6	17	24	12	..	69	62	....	86	40	5	71	57	3	22	23	11	15	10	8	3	2	8	9	9	8
62. Diseases of the Thyroid Body	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
63. Acute Bronchitis	16	10	..	..	1	..	..	..	..	..	..	..	..	1	1	3	..	11	5	....	12	4	....	11	5	....	1	4	2	2	..	1	..	1	1	1	1	2
64. Chronic Bronchitis	6	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3	..	2	4	....	2	3	1	..	5	1	1	..	2	..	1	..	..	..	2	..	..	..
65. Broncho-Pneumonia	23	11	3	1	..	1	1	..	..	1	1	..	..	..	3	1	..	11	12	....	19	2	2	19	1	....	5	3	2	5	2	2	..	1	..	..	2	1
66. Pneumonia	72	13	2	3	..	1	1	2	2	2	5	2	5	13	17	4	..	36	36	..	44	27	1	31	37	1	13	14	7	7	5	5	3	..	5	6	5	2
67. Pleurisy	5	..	..	..	..	..	..	..	..	1	..	1	1	..	2	..	..	3	2	....	3	2	....	1	4	....	1	1	..	..	..	..	..	..	..	2	1	..
68. Congestion of Lungs	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	....	2	..	..	2	..	..	..	1	1	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	4	..	..	..	..	..	..	..	..	..	2	1	..	1	..	..	..	4	..	....	2	1	1	1	2	1	..	..	..	..	..	..	..	..	..	..	..	3
71. Hemorrhage of Lungs	2	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	1	....	1	1	..	2	..	....	1	..	..	1	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																					
Group Total	**184**	118	8	1	1	..	2	3	..	2	4	5	5	15	13	6	1	92	92	....	153	25	6	139	39	6	4	6	1	5	5	6	15	56	51	19	11	5
74. Tonsilitis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
76. Ulcer of Stomach	3	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	2	....	1	2	....	..	3	....	1	1	..	..	..	..	..	..	..	1	..	..
77. Gastritis	4	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	1	3	....	1	3	..	2	2	....	..	..	..	..	..	..	..	..	1	1	2	..
78. Other Diseases of the Stomach	14	10	..	..	..	..	..	..	..	..	..	..	1	..	2	1	..	7	7	....	12	1	1	10	4	....	..	..	..	..	..	1	2	2	3	1	2	1
80. Diarrhœa and Enteritis (under 2 years)	114	106	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	57	57	....	114	..	..	114	..	....	1	2	..	1	..	1	11	46	37	12	2	1
81. Diarrhœa and Enteritis (2 years and over)	18	..	..	1	1	..	1	..	..	1	..	1	1	3	6	3	..	8	10	....	5	10	3	5	10	3	..	..	..	..	1	1	1	5	4	4	1	1
83. Obstruction of Intestines	5	1	..	..	..	..	..	..	..	..	..	..	2	1	1	..	..	3	2	....	2	2	1	2	3	....	..	..	..	1	1	..	..	..	..	3	..	..
84. Other Diseases of Intestines	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	..	..	..	1	....	..	1	..	..	..	..	..	..	..	..	..	..
85. Acute Yellow Atrophy of Liver	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	..	..	..	1	....	..	..	1	..	..	..	..	..	..	..	..	..
87. Cirrhosis of Liver	4	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	3	1	....	2	2	....	..	3	1	..	1	..	1	..	..	..	1	..	..	..	1
88. Biliary Calculi	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	2	....	2	..	..	..	2	....	..	..	..	..	..	..	..	..	1	..	..	..
89. Other Diseases of Liver	5	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	1	3	2	..	2	2	1	..	4	1	2	..	..	1	..	..	..	..	1	..	..	1
91. Peritonitis, Non-puerperal	9	..	..	..	..	..	2	..	..	2	1	1	2	1	..	..	..	5	4	..	6	3	....	3	5	1	..	1	..	1	1	1	..	2	3	..	..	..
92. Appendicitis	3	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	3	..	....	3	..	..	2	1	....	..	..	..	..	..	1	1	..	..	..	1	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
124. Drowning	8	....	..	3	..	..	..	..	..	3	2	..	....	..	..	..	..	5	3	....	4	4	....	7	1	....	..	..	1	..	2	..	3	2	..	..	..	..
125. Inhalation of Poisonous Gases	3	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	2	1	....	....	3	....	1	2	....	..	3	..	..	..	..	..	..	..	..	..	..
126. Other Accidental Poisonings	4	....	1	..	..	..	..	..	1	1	1	..	....	..	..	..	..	2	2	....	4	....	....	2	1	1	..	..	1	..	..	..	1	2	..	..	..	..
127 Other Accidental Traumatisms	24	1	..	..	..	..	..	1	..	4	4	6	5	..	..	..	3	20	4	....	10	6	8	7	10	7	3	1	..	2	2	2	2	3	..	5	3	1
129. Homicide	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1
XIV.—Ill-Defined Diseases.																																						
Group Total	119	23	2	1	..	..	1	..	2	2	1	13	16	15	25	15	3	68	50	1	64	51	4	34	79	6	14	6	18	15	14	8	10	8	10	5	5	6
130. Dropsy	6	....	..	..	..	..	..	..	1	....	..	..	....	..	5	..	..	5	1	....	1	5	....	3	2	1	1	..	1	..	1	1	1	..	1	..	..	..
131. Heart Failure	64	....	..	..	..	..	1	..	1	1	..	9	11	11	17	12	1	37	27	....	26	36	2	6	55	3	10	4	14	10	8	6	4	1	1	3	..	2
132. Other ill-defined causes	38	19	2	1	..	..	..	..	..	1	1	2	4	2	3	2	1	22	16	....	32	5	1	24	13	1	2	2	3	4	4	..	5	4	6	4	..	4
133. Unknown causes	11	4	..	..	..	..	..	..	..	....	..	2	1	2	..	1	1	4	6	1	5	5	1	1	9	1	1	..	..	1	1	1	..	3	2	..	2	..
XV.—Still Births.																																						
Group Total	92	92	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	43	43	6	92	....	....	92	....	....	7	10	11	12	7	8	7	8	6	6	5	5

CAUSES OF DEATH BY COUNTIES—IN YORK, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	5930	1913	221	97	56	64	148	94	127	445	373	375	465	578	541	399	34	3114	2797	19	4065	1659	206	3253	2297	380	577	497	559	497	500	422	476	552	494	486	428	442
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	418	39	37	39	31	32	82	24	16	33	15	9	19	19	8	10	5	220	198	..	315	99	4	326	79	13	10	39	34	29	19	28	47	29	36	47	32	38
1. Typhoid Fever	83	....	..	1	..	..	5	6	14	23	13	6	10	3	....	..	2	40	43	..	46	36	1	39	34	10	7	3	4	7	5	3	12	8	8	14	7	5
4. Measles	2	....	1	..	..	1	..	..	..	....	..	..	....	..	..	..	..	1	1	..	2	....	....	2	....	....	..	..	..	..	..	..	..	1	..	..	1	..
5. Scarlet Fever	53	3	5	4	11	7	15	3	..	4	....	....	1	....	....	....	..	30	23	..	42	11	....	48	3	2	10	4	6	4	1	2	7	..	3	7	3	6
6. Whooping Cough	27	15	1	3	..	1	5	2	..	....	....	....	....	....	....	....	..	14	13	..	26	1	....	27	....	....	1	2	..	1	1	3	5	7	2	2	3	..
7. Diphtheria and Croup	187	12	29	29	18	23	53	12	2	5	....	....	1	....	....	....	3	110	77	..	155	31	1	183	3	1	14	13	12	10	11	19	18	9	20	21	14	23
8. Influenza	45	5	..	2	..	..	2	1	..	4	1	1	5	14	6	4	..	15	30	..	31	13	1	16	29	....	5	13	10	6	2	..	1	2	2	..	3	1
9. Dysentery	5	1	1	..	1	..	1	..	..	....	1	....	....	....	....	....	..	3	2	..	4	1	....	4	1	....	..	..	..	..	..	2	2	1	..	..	..	..
10. Erysipelas	15	3	..	..	..	..	1	..	..	....	....	2	2	2	2	3	..	7	8	..	8	6	1	6	9	....	3	4	2	..	1	..	..	..	..	..	1	2
11. Other Epidemic Diseases	1	....	..	..	1	..	..	..	..	....	....	....	....	....	....	....	..	....	1	..	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....

(B.—Other General Diseases.)

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IV.—Diseases of Respiratory System.																																						
Group Total	**684**	172	45	16	7	8	4	3	13	43	30	47	62	74	103	53	4	359	325	..	413	238	33	248	320	116	115	82	96	81	72	35	18	26	32	39	38	47
61. Diseases of Larynx	3	....	..	..	..	..	..	..	..	1	1	1	....	..	..	..	..	2	1	..	2	1	....	....	3	...	1	..	..	..	..	..	..	....	1	..	1	..
62. Diseases of the Thyroid Body	3	....	..	..	..	..	..	..	..	....	....	1	2	..	..	..	..	....	3	..	3	....	....	....	3	...	2	..	..	..	1	..	..	....	..	..	..	..
63. Acute Bronchitis	73	34	7	..	..	..	1	1	..	....	....	1	3	2	12	11	1	35	38	..	50	21	2	31	26	16	14	11	8	12	6	3	3	2	3	3	5	3
64. Chronic Bronchitis	32	3	..	1	..	..	..	..	..	1	..	2	1	10	6	8	..	13	19	..	13	18	1	6	26	...	4	2	6	3	3	1	1	5	1	3	3	..
65. Broncho-Pneumonia	144	75	21	6	5	2	..	..	..	3	1	..	4	4	17	6	..	71	73	..	112	26	6	74	30	40	15	20	23	28	14	11	..	3	6	6	7	11
66. Pneumonia	369	54	16	7	1	6	4	2	9	32	26	34	46	47	57	25	3	204	165	..	202	144	23	118	198	53	76	46	50	35	40	16	12	9	14	25	17	29
67. Pleurisy	12	....	..	..	..	..	..	..	1	3	1	3	2	2	..	..	..	5	7	..	7	4	1	1	9	2	..	..	1	3	..	1	3	..	2	..	..	..	..
68. Congestion of Lungs	23	6	1	2	1	..	..	..	1	2	..	1	..	5	3	1	..	14	9	..	15	8	....	15	6	2	2	1	1	3	4	..	..	3	2	1	1	2
69. Gangrene of Lungs	1	....	..	..	..	..	..	..	..	....	....	....	1	..	..	..	..	1	....	..	1	....	....	....	....	1	....	..	..	..	..	..	..	....	1	..	..	..
70. Asthma and Emphysema	13	....	..	..	..	..	..	..	..	....	....	2	1	3	6	1	..	8	5	..	2	11	1	....	1	1	..	1	1	3	1	..	1	2	1	..	3	..
71. Hemorrhage of Lungs	8	....	..	..	..	..	..	..	..	....	1	2	2	1	1	1	..	5	3	..	3	5	....	1	6	1	..	..	..	..	..	2	..	1	2	1	1	..
72. Other Diseases of Respiratory System (Phthisis excepted)	3	....	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	1	2	..	3	....	..	1	2	...	1	..	1	..	..	1	..	....	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	**650**	383	31	6	3	1	10	8	11	34	35	29	34	29	19	16	1	326	324	..	532	98	20	478	138	34	35	27	37	38	35	35	65	133	88	77	37	43
74. Tonsilitis	1	....	..	..	..	..	..	..	..	....	....	....	1	..	..	..	..	....	1	..	1	....	....	....	1	..	..	..	..	..	..	..	..	1	..	..	..	..
76. Ulcer of Stomach	1	....	..	..	..	..	..	..	..	....	....	....	....	1	..	..	..	....	1	..	1	....	....	....	1	..	..	..	..	..	..	..	..	....	1	..	..	..
77. Gastritis	40	24	2	..	..	..	..	..	..	1	2	3	3	2	3	..	..	17	23	..	29	11	....	25	10	5	2	..	5	1	3	1	5	9	2	6	3	3
78. Other Diseases of the Stomach	98	74	4	..	..	..	1	..	..	2	2	4	2	3	..	5	1	51	47	..	87	7	4	72	13	13	4	5	3	7	4	8	6	19	13	16	7	6
80. Diarrhœa and Enteritis (under 2 years)	287	263	23	1	..	..	..	..	..	....	....	....	....	....	....	..	..	143	144	..	272	7	8	287	....	....	6	3	5	12	15	10	35	87	59	36	13	6
81. Diarrhœa and Enteritis (2 years and over)	24	....	..	4	3	1	1	1	..	1	3	2	2	2	3	1	..	11	13	..	16	7	1	16	6	2	1	1	2	1	..	3	4	3	4	2	1	2
82. Hernia	15	....	1	..	..	..	..	..	..	1	1	2	4	3	1	2	..	11	4	..	7	7	1	2	11	2	2	2	1	2	3	1	1	1	..	1	1	..
83. Obstruction of Intestines	45	18	1	..	..	..	..	..	..	3	4	4	..	5	6	4	..	26	19	..	26	17	2	18	21	6	3	1	3	1	4	4	2	4	3	8	3	9
84. Other Diseases of Intestines	13	4	..	..	..	..	..	1	2	1	1	3	1	..	..	..	..	6	7	..	11	2	....	5	8	..	..	1	1	1	1	..	3	3	1	..	..	2
86. Hydatid Tumors of Liver	1	....	..	..	..	..	..	..	..	....	1	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..
87. Cirrhosis of Liver	16	....	..	..	..	..	..	..	..	2	1	3	7	2	1	..	..	12	4	..	7	7	2	3	12	1	3	2	6	2	1	..	..	..	1	..	1	..
88. Biliary Calculi	1	....	..	..	..	..	..	..	..	....	....	....	....	1	..	..	..	1	....	..	....	1	....	....	1	....	....	..	..	..	..	..	..	....	..	..	..	1
89. Other Diseases of Liver	9	....	..	..	..	..	1	..	..	2	....	1	2	1	2	..	..	6	3	..	6	2	1	3	6	...	2	1	1	..	..	1	1	1	..	..	..	2
90. Diseases of Spleen	2	....	..	..	..	..	..	..	..	1	1	....	....	....	....	....	....	....	2	..	2	....	....	1	1	....	..	..	..	..	..	..	..	....	..	..	..	..
91. Peritonitis, Non-puerperal	60	....	..	1	..	..	1	3	6	12	14	5	9	6	2	1	..	24	36	..	42	17	1	25	32	3	7	10	5	5	1	4	5	3	3	2	4	11
92. Appendicitis	35	....	..	..	..	..	6	4	4	7	5	4	1	2	1	1	..	16	19	..	24	11	....	21	12	2	4	1	4	5	3	3	2	1	1	5	5	1
93. Other Diseases of the Digestive System (Cancer and Tuberculosis excepted)	2	..	..	..	..	..	..	..	..	....	....	....	....	....	....	2	..	1	1	..	1	1	....	....	2	...	1	..	..	1	..	..	..	....	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	**237**	9	1	1	..	2	5	5	2	16	21	29	44	46	37	18	1	135	102	..	121	99	14	58	158	21	26	15	22	17	25	17	19	19	13	27	24	13
94. Acute Nephritis	15	3	..	..	..	..	1	1	..	2	....	2	2	1	2	1	..	5	10	..	10	4	1	6	8	1	..	1	2	1	2	..	3	3	1	2	..	..
95. Bright's Disease	161	6	1	1	..	2	4	3	2	10	16	20	32	30	21	13	..	91	70	..	84	66	11	38	107	16	24	11	16	13	16	11	9	8	8	22	14	9
96. Other Diseases of Kidneys	14	....	..	..	..	..	..	1	..	2	1	2	2	4	2	..	..	8	6	..	8	5	1	5	8	1	..	1	..	1	2	..	2	2	..	2	2	2
98. Diseases of Bladder	21	....	..	..	..	..	..	..	..	1	2	2	2	7	7	..	..	14	7	..	11	10	....	5	16	...	1	1	2	1	2	2	5	2	1	1	2	1
99. Diseases of Male Genital Organs (Non-venereal)	3	....	..	..	..	..	..	..	..	....	....	1	1	....	....	....	1	3	....	..	1	1	1	....	2	1	..	..	..	..	..	..	..	1	1	..	1	..
101. Other Diseases of Uterus	4	....	..	..	..	..	..	..	..	1	1	1	1	....	....	....	....	....	4	..	3	1	....	2	2	...	1	..	..	..	..	..	..	1	..	..	..	..
102. Ovarian Tumor	2	....	..	..	..	..	..	..	..	....	....	1	....	....	1	....	....	....	2	..	1	1	....	....	1	1	....	..	..	..	..	..	..	1	1	..	..	..
103. Diseases of the Tubes	1	....	..	..	..	..	..	..	..	....	....	....	....	....	1	....	....	....	1	..	1	....	....	1	....	....	....	..	..	..	..	..	..	....	..	..	..	..
104. Diseases of Female Genital Organs (Non-venereal)	2	....	..	..	..	..	..	..	..	....	....	1	....	....	1	....	....	....	2	..	....	2	....	....	2	....	....	..	..	..	1	1	..	....	..	..	..	..
105. Other Diseases of the Genito-Urinary System	14	....	..	..	..	..	..	..	..	....	....	....	4	3	3	4	..	14	....	..	5	9	....	1	12	1	1	..	2	1	2	2	..	..	..	..	5	1

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CAUSES OF DEATH BY CITIES—IN BELLEVILLE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	185	49	5	1	...	1	1	3	3	9	11	17	16	15	32	21	1	111	74	...	143	41	1	83	101	1	14	21	16	13	7	12	20	17	17	16	15	17
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	13	2	3	...	...	...	...	1	2	3	...	1	1	...	...	...	...	8	5	...	10	3	....	11	2	....	1	1	...	...	...	...	2	1	...	4	3	1
1. Typhoid Fever	7	...	...	...	...	...	...	...	...	3	...	1	1	...	...	...	...	5	2	....	4	3	....	5	2	....	...	...	...	...	...	...	1	1	...	2	2	1
6. Whooping Cough	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	....	3	...	....	3	...	....	...	...	...	...	...	...	...	...	...	...	...	...
7. Diphtheria and Croup	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	....	1	...	....	...	...	....	...	...	...	...	...	...	...	...	...	...	...	...
8. Influenza	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	....	2	...	....	2	...	....	1	1	...	...	...	...	...	...	...	...	...	...
(B.—Other General Diseases.)																																						
Group Total	28	....	1	...	...	...	...	...	1	1	4	6	5	6	3	1	...	12	16	....	23	5	....	7	20	1	1	1	3	5	...	4	4	1	3	...	1	5
13. Tuberculosis of Lungs	12	....	1	...	...	...	...	...	1	1	3	3	2	1	...	...	...	6	6	....	11	1	....	5	7	....	...	...	...	2	...	3	3	...	1	...	1	...
25. Cancer of Stomach and Liver	3	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	2	1	....	1	2	....	...	2	1	...	...	...	...	...	...	...	...	...	...	2	2
26. Cancer of Intestines	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	....	...	1	....	...	1	....	...	...	...	...	...	...	...	...	...	...	...	...
27. Cancer of Genital Organs	4	...	...	...	...	...	...	...	...	...	3	...	2	...	1	...	...	...	4	....	4	...	....	1	3	....	...	...	...	2	...	1	...	1	...	...	...	...
28. Cancer of Breast	1	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	1	....	1	...	....	...	1	....	...	...	...	...	...	...	...	...	...	...	...	...
30. Cancer of other unspecified organs	3	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	3	1	....	3	...	....	...	3	....	...	...	...	...	1	...	...	...	...	...	...	...
32. Rheumatism	2	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	1	....	2	...	....	...	1	....	...	...	...	...	...	1	...	...	...	...	...	...
34. Anæmia, Leukæmia	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	1	....	1	1	....	...	2	....	...	...	...	1	...	...	...	...	...	...	...	1
II.—Diseases of Nervous System.																																						
Group Total	25	2	1	1	...	...	1	...	...	1	1	2	6	1	6	3	...	13	12	...	17	8	....	7	18	....	3	3	...	2	3	1	2	2	...	3	4	2
38. Encephalitis	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	....	...	1	....	...	1	....	...	1	...	...	...	...	...	...	...	...	...	...
39. Meningitis	5	1	1	...	...	...	...	...	...	1	...	1	...	...	...	...	...	2	3	....	5	...	....	2	3	....	...	1	...	...	1	...	1	...	...	1	...	1
42. Apoplexy	8	...	...	...	...	...	...	...	...	...	1	1	3	1	3	...	...	4	4	....	3	5	....	...	8	....	3	...	...	...	...	1	...	1	2	1	1
43. Softening of Brain	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	....	...	1	....	...	1	....	...	...	...	...	...	...	...	...	...	...	...	...
44. Paralysis	8	...	...	1	...	...	1	...	...	...	...	1	2	...	2	1	...	3	5	....	7	1	....	3	5	....	...	1	...	1	1	...	2	1	...	...	2	...
46. Other Forms of Mental Disease	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	....	...	1	....	1	...	....	...	...	...	...	...	1	...	...	...	...	...	...
49. Convulsions	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	....	...	1	....	1	...	....	...	...	...	...	...	...	...	...	...	1	...	...
III.—Diseases of Circulatory System.																																						
Group Total	13	1	...	...	...	...	...	...	...	...	...	1	1	4	4	1	1	8	5	....	10	3	....	3	10	...	1	...	1	1	1	...	1	2	2	1	...	3
54. Heart Disease	7	....	...	...	...	...	...	...	...	...	...	1	1	1	3	...	1	4	3	....	6	1	...	2	....	5	...	...	...	...	1	...	...	1	2	1	...	2

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BELLEVILLE.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XIII.—Violence and other External Causes.																																						
Group Total	11	1	..	..	..	..	..	1	..	2	2	1	1	..	1	2	..	9	2	....	6	5	....	5	6	....	1	1	1	..	1	1	1	1	..	1	3	..
121. Fractures and Dislocations	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	2	....	....	2	....	....	....	2	....	..	..	1	..	..	..	1	....	..	..	..	..
122. Burns and Scalds	2	1	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	2	....	....	1	1	....	1	1	....	..	1	..	..	..	..	..	..	..	..	1	..
124. Drowning	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	5	....	..	..	..	..	..	..	..	2	1	..	....	..	..	2	..	3	2	....	2	3	....	2	3	....	..	..	..	..	1	..	..	1	..	1	2	..
XIV.—Ill-Defined Diseases.																																						
Group Total	10	2	..	..	..	..	..	..	..	....	..	1	1	1	3	2	..	6	4	....	7	2	1	2	8	....	1	2	3	1	..	..	1	..	1	..	..	1
131. Heart Failure	10	2	..	..	..	..	..	..	..	....	..	1	1	1	3	2	..	6	4	....	7	2	1	2	8	....	1	2	3	1	..	..	1	..	1	..	..	1
134. XV.—Still Births.																																						
Group Total	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	2	...	8	..	....	8	....	....	..	1	..	..	..	2	1	1	2	1	..	..

CAUSES OF DEATH BY CITIES—IN BRANTFORD, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	316	95	7	8	....	2	5	3	8	31	21	20	28	24	34	23	7	165	150	1	217	83	16	166	135	15	21	24	23	19	17	22	22	35	45	35	29	24
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	19	....	..	2	..	1	3	..	1	2	3	1	3	1	1	..	1	13	6	....	9	8	2	9	8	2	..	3	..	2	1	..	..	2	2	1	4	1
1. Typhoid Fever	11	....	..	..	..	..	..	..	1	2	3	1	2	..	1	..	1	8	3	...	4	5	2	3	7	1	..	..	..	..	2	..	..	..	2	3	4	..
7. Diphtheria and Croup	3	....	..	..	..	..	3	..	..	....	..	..	....	..	..	..	..	2	1	....	2	1	....	3	....	....	..	1	..	..	..	..	..	1	..	..	..	1
8. Influenza	3	....	..	..	1	..	..	..	..	....	..	1	1	..	..	..	..	2	1	....	1	2	....	1	1	1	..	2	..	..	1	..	..	..	..	..	..	..
9. Dysentery	2	....	..	2	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	..	1	..	1	..	..
(B.—Other General Diseases.)																																						
Group Total	50	....	1	1	..	..	..	..	3	19	7	3	12	4	1	..	..	25	25	....	37	12	1	17	30	3	3	5	4	3	6	6	4	3	7	4	2	3
12. Septicæmia	2	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	..	2	....	....	....	2	....	....	2	....	..	1	..	..	..	..	..	..	1	..	..	..	..
13. Tuberculosis of Lungs	26	....	1	..	..	..	..	..	1	11	6	2	4	1	..	..	..	16	10	....	20	5	1	10	15	1	2	4	2	..	3	4	1	2	4	2	..	2

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BRANTFORD.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
VII.—The Puerperal State.																																					
Group Total	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	....	2	..	....	1	1	....	2	....	1	..	..	..	..	1	..	..	..	..	..
106. Puerperal Septicæmia	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	1	..	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	....	1	....	1	....	....	..	..	..	..	1	..	..	..	..	..
VIII.—Diseases of Skin.																																					
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
111. Abscess	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
IX.—Diseases of Locomotor System.																																					
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..
113. Diseases of the Bones	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..
XI.—Early Infancy.																																					
Group Total	26	26	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	12	13	1	26	....	....	2	....	....	3	1	5	..	2	..	..	4	5	4	1	1
117. Premature Birth	10	10	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	3	1	10	....	....	10	....	....	1	1	3	..	2	..	..	..	1	2	..	..
118. Congenital Debility	16	16	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	10	....	16	....	....	16	....	...	2	..	2	..	..	..	..	4	4	2	1	1
119. XII.—Old Age.																																					
Group Total	22	....	..	..	..	..	..	..	..	....	..	..	....	2	9	11	..	11	11	....	6	15	1	1	19	2	3	..	1	2	..	..	..	2	1	3	2	5
XIII.—Violence and other External Causes.																																					
Group Total	21	1	..	2	..	..	..	1	2	3	2	5	1	..	3	1	..	13	8	....	13	5	3	12	8	1	..	..	1	2	2	4	1	2	3	2	3	1
120. Suicides	2	....	..	..	..	..	..	1	..	....	..	1	....	..	..	..	..	....	2	....	2	....	....	1	1	....	..	..	..	..	1	..	..	1	..	..	..	..
121. Fractures and Dislocations	5	....	..	1	..	..	..	1	..	....	..	..	....	..	1	1	..	1	3	....	1	2	1	2	2	....	..	..	..	..	1	..	..	1	1	1	..
122. Burns and Scalds	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	1	1	...	2	....	....	....	1	1	...	1	..	..	..	..	..	..	..	..	1	..
123. Physical Phenomena	2	....	..	1	..	..	..	..	..	....	..	..	1	..	..	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	1	..	1	..	..	..	..	..
124. Drowning	3	....	..	..	..	..	..	1	..	1	1	..	....	..	..	..	..	3	....	...	1	2	....	3	....	....	..	..	..	..	..	2	..	1	..	..	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	..	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
127. Other Accidental Traumatisms	7	1	..	..	..	..	..	..	..	1	..	3	....	..	2	..	..	6	1	....	4	1	2	4	3	....	..	..	..	..	1	..	1	1	..	2	1	1	..
XIV.—Ill-Defined Diseases.																																					
Group Total	19	6	..	..	..	..	1	..	..	....	1	2	1	4	2	2	..	10	9	....	12	7	....	8	9	2	..	3	2	3	..	..	1	3	1	3	2	1
130. Dropsy	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	....	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	1	..	..	..	1
131. Heart Failure	9	....	..	..	..	..	..	..	..	....	1	1	1	4	1	1	..	6	3	...	4	5	....	1	6	2	..	2	1	2	..	..	..	2	..	..	2	..
132. Other ill-defined causes	8	6	..	..	..	..	1	..	..	....	..	..	....	..	..	1	..	4	4	..	8	....	....	7	1	....	..	1	1	1	..	..	..	1	1	3	..	..
134. XV.—Still Births.																																					
Group Total	22	22	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	10	12	....	22	....	....	22	....	....	1	1	1	1	2	2	6	..	..	2	3	3

CAUSES OF DEATH BY CITIES—IN CHATHAM, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	0-1																																			
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	180	41	2	3	1	.....	.....	7	2	14	14	12	9	23	32	20	.....	96	84	.....	131	43	6	87	92	1	23	13	16	23	12	20	11	10	23	7	7	15
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	9	1	..	..	1	..	..	..	..	..	1	1	3	1	1	..	..	7	2	....	6	2	1	4	4	1	..	1	1	1	1	..	..	3	..	1	1
1. Typhoid Fever	5	..	..	..	..	..	..	..	..	..	1	1	1	1	1	..	..	3	2	....	4	1	..	2	3	....	..	..	..	1	1	..	..	2	..	1	..
7. Diphtheria and Croup	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
8. Influenza	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
10. Erysipelas	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
11. Other Epidemic Diseases	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
(B.—Other General Diseases.)																																					
Group Total	30	..	..	..	..	..	..	..	..	7	4	4	1	10	4	..	..	16	14	...	26	3	1	11	19	....	3	2	3	6	6	3	..	1	2	1	1	2
12. Septicæmia	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	....	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
13. Tuberculosis of Lungs	11	..	..	..	..	..	..	..	..	5	2	2	..	1	1	..	..	5	6	....	10	..	1	6	5	....	1	2	3	2	2	1	..	..	..	..	..	..
16. Abdominal Tuberculosis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
20. Tuberculosis of other organs	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	5	..	..	..	..	..	..	..	..	1	..	1	..	2	1	..	..	4	1	....	1	1	..	2	3	....	..	1	..	..	1	1	..	..	1	..	..	1
27. Cancer of Genital Organs	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	2	....	2	..	..	..	2	....	..	1	..	..	..	..	..	..	..	1	..	..
30. Cancer of other unspecified organs	4	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	3	1	....	3	1	..	..	4	....	..	..	..	1	1	..	..	..	..	..	1	1
32. Rheumatism	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	1	..	..	..	1	....	..	..	..	..	..	1	..	..	..	..	..	..
33. Diabetes	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	1	....	2	..	..	1	1	....	..	..	..	..	1	1	..	..	..	..	..	..
34. Anæmia, Leukæmia	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	1	..	..	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
37. Other General Diseases	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	..	1	..	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																					
Group Total	18	1	1	..	..	..	..	..	..	2	1	2	1	5	3	2	..	9	9	....	8	10	....	5	13	....	1	..	1	1	..	1	2	..	2	1	1	2
38. Encephalitis	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	..	..	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
39. Meningitis	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	....	..	1	..	1	..	....	..	..	..	..	..	1	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	..	1	..	..	1	....	1	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	3	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	3	..	....	..	1	..	1	..	....	..	..	..	..	..	1	..	..	..	1	..	..
44. Paralysis	6	..	..	..	..	..	..	..	..	1	..	1	..	3	1	..	..	3	3	....	2	4	....	1	5	....	1	..	..	1	..	1	1	..	..	..	..	2
49. Convulsions	2	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	....	1	1	....	2	..	....	..	..	..	..	..	..	..	..	..	..	..	..
50. Tetanus	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	..	1	....	..	1	....	..	..	..	..	..	1	..	..	..	..	..	..
51. Other Diseases of Nervous System	3	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	1	2	....	2	1	....	..	3	....	1	..	..	..	..	..	..	..	1	1	..	..

CHATHAM.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
III.—Diseases of Circulatory System.																																						
Group Total	20	3	..	..	..	..	..	..	1	2	1	1	1	3	6	2	..	10	10	....	12	7	1	7	13	....	2	2	3	2	1	2	1	2	1	1	1	2
53. Endocarditis	2	....	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	1	....	2	....	....	....	2	....	..	..	..	..	..	..	..	..	1	..	1
54. Heart Disease	14	1	..	..	..	..	..	..	1	1	1	1	1	3	4	1	..	7	7	....	7	7	..	4	10	....	2	2	2	2	1	1	..	2	..	1	1
56. Diseases of Arteries	2	....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	1	....	1	...	1	1	1	....	..	..	1	..	..	..	..	..	1	..	..	..
60. Other Diseases of Circulatory System	2	2	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	1	1	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	21	3	..	2	..	..	..	..	..	1	1	3	....	1	6	4	..	8	13	...	15	6	...	6	15	....	5	1	1	4	1	3	2	..	1	..	..	3
63. Acute Bronchitis	2	1	..	..	..	..	..	..	..	....	..	..	..	..	..	1	..	1	1	....	1	1	....	1	1	....	1	..	..	..	..	..	..	1	..	..	..	..
64. Chronic Bronchitis	1	....	..	..	..	..	..	..	..	....	..	..	..	..	..	1	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
65. Broncho-Pneumonia	3	1	..	..	..	..	..	..	..	....	..	..	....	..	1	1	..	1	2	....	1	2	..	1	2	....	1	..	..	2	..	..	..	..	..	..	..	..
66. Pneumonia	14	1	..	2	..	..	..	..	..	1	1	3	....	1	4	1	..	5	9	....	12	2	....	4	10	....	3	1	1	2	1	3	1	..	..	..	..	2
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	15	4	1	..	..	..	..	2	1	....	2	..	1	1	2	1	..	6	9	....	11	4	....	9	6	....	3	..	..	2	1	..	1	2	3	1	1	1
76. Ulcer of Stomach	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	..	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	2	....	1	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	1	..	2	....	....	1	1	....	..	..	..	..	..	..	..	1	..	1	..	..
80. Diarrhœa and Enteritis (under 2 years)	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	3	....	4	....	....	4	....	....	..	..	..	1	..	..	..	1	2	..	..	..
84. Other Diseases of Intestines	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	1	1	....	....	2	....	....	2	....	1	..	..	..	..	..	..	..	1	..	..	..
91. Peritonitis, Non-Puerperal	1	..	..	..	..	..	1	1	..	....	1	..	....	..	..	1	..	3	1	....	2	2	....	2	2	....	1	..	..	..	1	..	1	..	..	..	1	..
92. Appendicitis	2	....	..	..	..	..	..	1	..	....	..	..	1	..	..	..	..	....	2	....	2	....	....	2	....	....	1	..	..	..	..	..	..	..	..	..	..	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	...	1	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
95. Bright's Disease	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	....	2	....	....	1	1	....	2	....	..	1	..	..	..	..	..	..	..	1	..
109. Gangrene	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	....	2	...	....	1	1	....	2	....	..	1	..	..	..	..	..	..	..	1	..
XI.—Early Infancy.																																						
Group Total	20	20	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	12	....	20	....	....	20	....	...	3	1	1	3	1	2	2	1	4	..	1	1
117. Premature Birth	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	1	..	..	..	1	..	..	..
118. Congenital Debility	18	18	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	7	11	....	18	....	....	18	....	.	3	1	1	3	..	2	2	1	3	..	1	1

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FORT WILLIAM.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
(B.—Other General Diseases.)																																						
Group Total	17	1	2	..	..	..	..	2	2	4	3	2	....	..	1	..	..	10	7	....	8	6	3	13	3	1	1	1	2	..	..	1	3	..	2	3	2	2
13. Tuberculosis of Lungs	9	1	..	..	..	..	..	1	1	2	1	2	....	..	1	..	..	5	4	....	4	3	2	6	2	1	..	1	1	..	..	1	2	..	1	2	..	1
14. Tuberculosis of Larynx	1	..	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
16. Abdominal Tuberculosis	3	....	1	..	..	..	..	1	1	....	..	..	....	..	..	..	..	2	1	....	2	1	....	3	....	....	..	1	..	..	..	..	..	..	..	..	1	1
33. Diabetes	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..
34. Anæmia, Leukæmia	1	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..	..	1	..	..
36. Chronic Poisonings	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	20	12	2	..	..	..	1	1	1	....	..	..	1	1	..	1	..	14	6	....	19	....	1	18	2	...	1	2	2	1	1	3	3	3	4	..	..	..
38. Encephalitis	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
39. Meningitis	3	1	2	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	....	....	3	....	....	3	....	..	..	1	..	1	..	..	..	..	1	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	1	....	....	1	....	..	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
42. Apoplexy	3	.	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	2	1	....	2	....	1	2	1	....	..	..	..	..	..	1	1	..	1	..	..	..
44. Paralysis	2	....	..	..	..	..	..	1	..	....	..	..	....	1	..	..	..	....	2	....	2	....	....	1	1	....	..	1	..	..	..	..	..	1	..	..	..	..
49. Convulsions	10	10	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	7	3	....	10	....	....	10	....	....	..	..	2	..	1	2	2	1	2	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	9	....	..	1	..	..	..	..	..	2	2	2	2	..	..	..	..	7	2	...	4	5	....	4	4	1	..	..	1	..	1	..	1	2	..	2	2	..
54. Heart Disease	3	....	..	1	..	..	..	..	..	1	1	..	....	..	..	..	..	2	1	....	2	1	....	3	....	....	..	..	..	..	..	..	..	1	..	2	..	..
56. Diseases of Arteries	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
60. Other Diseases of Circulatory System	5	....	..	..	..	..	..	..	..	1	1	2	1	..	..	..	..	4	1	....	2	3	....	1	3	1	..	..	1	..	1	..	1	..	1	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	27	8	3	..	..	1	..	..	..	2	2	4	2	3	1	1	..	14	15	....	19	7	1	17	9	1	1	2	1	3	2	3	1	3	3	3	2	3
63. Acute Bronchitis	2	1	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	1	..	..	..	..	..	..	..	1	..	..
64. Chronic Bronchitis	1	....	..	..	..	..	..	..	..	..	..	..	....	..	..	1	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
65. Broncho-Pneumonia	5	3	..	..	..	1	..	..	..	....	..	..	....	..	1	..	..	2	3	....	5	....	....	4	1	....	..	1	..	..	..	1	..	..	..	1	1	1
66. Pneumonia	19	4	2	..	..	..	..	..	..	2	2	4	2	3	..	..	..	12	7	....	12	6	1	11	7	1	1	..	1	2	2	2	1	3	3	1	1	2
V.—Diseases of Digestive System.																																						
Group Total	29	22	1	..	..	..	..	1	..	1	2	..	1	..	1	..	..	16	13	....	25	4	....	27	2	....	..	2	1	1	1	1	..	10	5	4	2	2
77. Gastritis	2	1	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	1	....	1	1	....	1	1	....	..	..	1	..	..	..	..	..	..	1	..	..
80. Diarrhœa and Enteritis (under 2 years)	20	19	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	11	.	....	20	....	....	20	....	....	..	..	..	..	..	..	1	..	9	5	2	2	1
84. Other Diseases of Intestines	1	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..	1
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1
91. Peritonitis, Non-Puerperal	3	2	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	..	2	..	1	..	..	..	..	..	..	..	..
92. Appendicitis	2	....	..	..	..	..	..	1	..	....	..	..	1	..	..	..	..	1	1	....	1	1	....	2	....	....	..	..	..	1	..	..	..	..	..	1	..	..

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CAUSES OF DEATH BY CITIES—IN GUELPH, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	197	57	1	2	.....	2	2	1	7	9	14	12	21	18	20	31	.....	101	96	.....	134	53	10	95	102	.....	21	16	10	15	13	15	19	20	19	19	16	14
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	11	4	..	1	..	..	..	..	1	1	2	..	1	..	..	1	..	6	5	....	9	2	....	7	1	....	1	1	..	..	1	..	1	3	2	1	..	1
1. Typhoid Fever	3	....	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	1	2	....	3	....	....	2	1	....	..	..	..	..	..	..	..	1	..	1	..	1
6. Whooping Cough	5	4	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	....	5	....	....	5	..	....	..	..	..	..	..	1	2	..	..	..	..	..
8. Influenza	2	....	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	1	....	1	1	....	....	2	....	..	1	..	..	1	..	..	..	..	..	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	38	....	1	..	..	..	..	..	3	5	6	7	6	7	2	1	..	18	20	....	26	8	4	9	29	....	2	2	2	5	5	3	3	3	5	4	1	3
13. Tuberculosis of Lungs	11	....	..	..	..	..	..	..	3	3	1	2	2	..	..	..	..	6	5	....	8	2	1	5	6	....	1	2	1	3	1	..	1	..	1	..	..	1
15. Tuberculosis Meningitis	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	..	..	..	1	..	2	1	..	3	2	....	3	2	....	....	1	....	..	..	..	..	..	1	1	1	..	..	..	..
26. Cancer of Intestines	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	....	2	....	1	....	1	....	2	....	..	..	..	..	..	..	..	1	1	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
30. Cancer of other unspecified organs	6	....	..	..	..	..	..	..	..	1	..	..	2	3	..	..	..	3	3	....	1	1	1	....	6	....	..	..	..	1	2	1	1	..	..	1	..	..
32. Rheumatism	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
33. Diabetes	3	....	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	2	1	....	2	....	1	2	1	....	..	..	..	..	..	..	1	..	..	1	..	1
34. Anæmia, Leukæmia	5	....	..	..	..	..	..	..	..	..	3	1	1	..	..	..	..	1	4	....	3	....	....	....	5	....	1	..	..	..	1	..	1	..	..	..	1	1
35. Alcoholism	3	....	..	..	..	..	..	..	..	1	1	....	....	....	....	....	....	2	....	....	2	....	....	....	2	....	..	..	..	..	1	..	..	..	..	1	..	..
36. Chronic Poisonings	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	..	1	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	22	5	..	..	..	..	..	..	1	1	1	2	3	2	1	4	..	11	11	....	17	5	....	9	13	....	5	1	4	1	1	2	2	2	1	..	1	2
41. Other Diseases of Spinal Cord	2	....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	....	2	....	....	1	1	....	1	..	..	..	..	..	1	..	..	..	..	..
42. Apoplexy	6	....	..	..	..	..	..	..	..	..	..	..	2	1	1	2	..	5	1	....	3	3	....	....	6	....	2	..	..	1	..	..	1	..	..	..	..	..
44. Paralysis	3	....	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	1	2	....	2	1	....	....	3	....	..	..	..	1	..	..	1	..	1	..	..	..
46. Other forms of Mental Disease	1	....	..	..	..	..	..	..	..	1	1	1	1	..	..	..	..	2	..	....	1	....	....	2	....	....	..	1	..	..	1	..	1	..	..	..	..	..
48. Epilepsy	1	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
49. Convulsions	4	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	....	4	....	....	4	....	....	2	..	..	1	..	1	..	..	..	..	..	..
50. Tetanus	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..

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GUELPH.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
119. XII.—Old Age.																																							
Group Total	17														4	13		9	8		5	12		2	15		2	4	1	2			1	2	1		1	3
XIII.—Violence and other External Causes.																																						
Group Total	9						1		1	1	2		1		1	2		6	3		5	4		5	4						1	2	2			3	1	
120. Suicides	2															2			2			2			2						2							
124. Drowning	1										1								1		1			1									1					
127. Other Accidental Traumatisms	6						1		1	1	1		1		1			6			4	2		4	2						1		1		3	1	
XIV.—Ill-Defined Diseases.																																						
Group Total	13	7		1				1				1	1	1	1			9	4		12	1		10	3			3			2	1	2	1	2	1	1	
131. Heart Failure	3												1	1	1			2	1		2	1		1	2						1	1	1					
132. Other ill-defined causes	10	7		1				1				1						7	3		10			9	1			3			1		1	1	2	1	1	
134. XV.—Still Births.																																						
Group Total	11	11																8	3		11			11							3		2	1	1	1		2

CAUSES OF DEATH BY CITIES—IN HAMILTON, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	1045	349	22	12	6	7	16	13	29	73	73	65	80	97	125	65	13	533	502	10	682	322	41	545	428	72	109	82	77	86	74	74	87	105	108	76	85	82
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	49	9	4	4	3	4	6	3	1	4	4	1	3	2		1		25	24		43	6		39	9	1	7	3	3	1			3	5	11	7	3	6
1. Typhoid Fever	13							1	1	4	3	1	2	1				8	5		10	3		6	6	1	1	1					2	1	3	4	1	
5. Scarlet Fever	6			1	1	1	2	1										5	1		6			6			1	1										
6. Whooping Cough	9	3	3	1	1	1												4	5		9			9						1								
7. Diphtheria and Croup	10		1	2		2	4	1										5	5		10			10									1	2	3	1		
8. Influenza	4										1			1	1		1	1	3		1	3		1	3		1	1	1						2			1

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HAMILTON.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
67. Pleurisy	4	....	..	..	..	..	..	..	..	1	..	..	1	..	2	..	..	2	2	...	2	2	....	....	4	....	1	1	..	..	..	..	..	..	..	2	..	..
68. Congestion of Lungs	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	4	....	..	..	..	..	..	..	..	....	2	1	....	1	..	..	..	4	....	....	2	1	1	1	2	1	..	..	..	..	1	..	..	..	..	..	..	3
71. Hemorrhage of Lungs	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	135	89	5	..	1	..	2	2	..	1	3	4	4	12	7	4	1	67	68	....	110	21	4	104	25	6	3	1	1	5	4	4	13	41	32	14	10	4
76. Ulcer of Stomach	2	....	..	..	..	..	..	..	..	....	..	1	....	1	..	..	..	....	2	....	....	2	....	....	2	....	1	..	..	..	..	..	..	1	..	..	..
77. Gastritis	4	....	..	..	..	..	..	..	..	....	..	1	1	1	1	..	..	1	3	....	1	3	..	2	2	....	..	..	..	..	..	..	..	1	1	2	..
78. Other Diseases of the Stomach	9	7	..	..	..	..	..	..	..	....	..	..	....	2	..	..	..	5	4	....	7	1	1	7	2	....	..	..	..	..	..	1	2	2	1	1	..
80. Diarrhœa and Enteritis (under 2 years)	86	81	5	..	..	..	..	..	..	....	..	..	....	..	..	..	..	43	43	....	86	....	...	86	....	....	1	1	..	1	..	1	10	37	23	9	2	1
81. Diarrhœa and Enteritis (2 years and over)	10	....	..	..	1	..	1	..	..	....	..	1	....	2	4	1	..	4	6	....	3	6	1	3	4	3	..	..	..	..	1	1	..	2	2	2	2	..
82. Hernia	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
83. Obstruction of Intestines	4	1	..	..	..	..	..	..	..	....	..	..	2	..	1	..	..	3	1	....	1	2	1	2	....	....	..	..	..	1	1	..	..	..	..	2	..	..
85. Acute Yellow Atrophy of Liver	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	1
87. Cirrhosis of Liver	3	....	..	..	..	..	..	..	..	....	..	..	....	3	..	..	..	3	....	....	1	2	....	....	2	1	..	..	..	1	..	..	..	1	..	..	..	1
88. Biliary Calculi	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	....	2	....	2	....	....	....	2	....	..	..	..	..	1	..	..	..	1	..	..	..
89. Other Diseases of Liver	4	....	..	..	..	..	..	..	..	....	..	..	....	..	1	2	1	2	2	....	1	2	1	....	3	1	1	..	..	1	..	..	..	1	..	..	1
91. Peritonitis, Non-Puerperal	7	....	..	..	..	..	..	1	..	....	2	1	1	2	..	..	..	3	4	....	4	3	....	2	4	1	..	..	..	1	1	1	..	2	2	..	..
92. Appendicitis	2	....	..	..	..	..	..	1	..	1	..	..	....	..	..	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	..	..	1	..	..	1	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	42	....	..	..	..	..	..	..	3	3	4	1	12	10	7	2	..	20	22	....	18	23	1	11	26	5	7	2	3	7	..	3	3	3	1	5	5
94. Acute Nephritis	6	....	..	..	..	..	..	..	2	....	1	..	1	2	..	..	..	1	5	....	2	4	....	2	4	....	2	..	1	1	..	..	1	..	..	..	..	1
95. Bright's Disease	27	....	..	..	..	..	..	..	..	....	2	1	10	7	5	2	..	15	12	....	12	15	....	6	19	2	4	1	2	6	..	1	1	2	2	1	4	3
96. Other Diseases of Kidneys	4	....	..	..	..	..	..	1	..	1	..	..	1	1	..	..	..	1	3	....	2	2	....	1	2	1	1	1	..	..	..	..	..	..	1	..	1	..
98. Diseases of Bladder	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	1	..	..	..	..	..	..
103. Diseases of the Tubes	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	....	1	....	....	1	..	..	..	..	..	..	..	1	..	..	..	..
104. Diseases of Female Genital Organs (Non-venereal)	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
105. Other Diseases of the Genito-Urinary System	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	2	....	....	1	1	....	2	....	....	..	..	..	..	..	1	1	..	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	21	....	..	..	..	..	..	..	..	12	7	1	1	..	..	..	..	....	21	....	10	9	2	1	20	....	2	2	2	1	1	2	3	1	1	..	2	4
106. Puerperal Septicæmia	10	....	..	..	..	..	..	..	..	6	2	1	1	..	..	..	..	....	10	....	7	3	....	....	10	....	..	1	2	1	1	1	1	1	..	..	1	1
107. Puerperal Convulsions	4	....	..	..	..	..	..	..	..	2	2	..	....	..	..	..	..	....	4	....	2	1	1	....	4	....	..	1	..	..	..	1	1	..	..	..	..	1
108. Other causes incident to Childbirth	7	....	..	..	..	..	..	..	..	4	3	..	....	..	..	..	..	....	7	....	1	5	1	1	6	...	2	..	..	..	..	..	1	..	1	..	1	2
VIII.—Diseases of Skin.																																						
Group Total	10	2	..	..	..	..	..	..	..	1	1	1	3	..	2	..	..	5	5	....	5	5	....	2	7	1	..	1	2	1	..	1	1	1	2	..	..	1
109. Gangrene	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	....	2	....	....	2	....	..	..	..	..	..	..	1	..	1	..	..	..
111. Abscess	8	2	..	..	..	..	..	..	..	1	1	1	2	..	1	..	..	4	4	....	5	3	....	2	5	1	..	1	2	1	..	1	..	1	1	..	..	1

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CAUSES OF DEATH BY CITIES—IN KINGSTON, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	359	71	13	1	3	1	7	4	11	20	22	26	38	43	58	39	2	176	183	....	241	97	21	166	173	20	45	28	31	38	31	21	23	41	30	22	29	20
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	16	7	1	1	..	..	1	..	3	1	..	1	....	..	..	..	1	7	9	....	16	....	....	16	....	...	1	2	1	1	..	..	1	2	2	1	3	2
1. Typhoid Fever	6	....	..	1	..	..	..	..	3	1	..	..	....	..	..	..	1	4	2	....	6	..	....	6	....	....	..	..	..	..	..	..	..	1	..	3	2
5. Scarlet Fever	3	2	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	1	1	..	..	..	..	..	..	1	..	..	..
6. Whooping Cough	6	5	1	..	..	..	..	..	..	..	..	..	....	..	..	..	..	1	5	....	6	....	....	6	....	....	..	1	..	1	1	..	..	1	2	..	1	..
8. Influenza	1	....	..	..	..	..	..	..	..	..	..	1	....	..	..	..	..	....	1	...	1	....	...	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	70	2	1	..	..	..	2	2	3	6	11	11	11	7	11	3	..	39	31	....	50	18	2	24	43	3	7	4	6	12	6	4	3	6	6	5	7	4
12. Septicæmia	4	....	..	..	..	..	..	..	..	1	1	1	....	..	1	..	..	2	2	....	3	1	...	1	3	....	1	..	..	1	..	..	..	1	..	1	..
13. Tuberculosis of Lungs	30	1	1	..	..	..	1	1	3	3	9	3	3	2	3	..	..	15	15	....	24	5	1	15	15	....	4	1	2	5	2	3	1	3	2	2	4	1
15. Tuberculous Meningitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
20. Tuberculosis of other organs	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	....	..	1	....	2	..	..	..	3	1	....	3	1	....	4	....	....	..	1	1	1	1	..	..	..	..	..	..	..
26. Cancer of Intestines	2	..	..	..	..	..	..	..	..	....	..	..	1	..	..	1	..	2	....	....	1	....	1	2	....	....	..	..	..	..	..	..	..	..	1	..	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	1	1
30. Cancer of other unspecified organs	9	....	..	..	..	..	..	..	..	....	..	3	2	..	4	..	..	4	5	....	4	5	....	1	6	2	..	2	1	2	..	..	..	1	..	1	1	..
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	..	1	....	..	..	..	..	..	1	..	..	..	..	..	..
32. Rheumatism	6	....	..	..	..	..	1	..	..	....	2	..	1	1	1	..	..	4	2	....	6	....	....	4	1	1	1	..	..	1	..	1	..	1	..	..	1	1
33. Diabetes	5	....	..	..	..	..	..	..	..	....	..	..	....	2	3	..	..	1	4	....	4	1	....	1	4	....	1	..	..	..	..	1	..	1	..	..	..	1
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	1	..	....	..	..	1	..	..	1	..	2	1	....	2	1	..	1	2	....	..	..	..	..	2	1	..	..	..	..	..	..
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	2	....	....	2	....	....	....	2	....	..	..	..	1	..	..	..	..	1	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	44	6	3	..	..	1	..	1	1	2	1	1	3	8	9	8	..	18	26	....	26	16	2	17	24	3	7	4	2	7	5	2	7	3	2	1	2	2
38. Encephalitis	2	1	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	1	..	..	..	..	..	..	..	..	1	..	..
39. Meningitis	8	2	2	..	..	1	..	1	..	2	..	..	....	..	..	..	..	3	5	....	7	1	....	8	....	....	1	..	..	1	2	1	3	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	1	....	....	....	....	1	..	1	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	9	1	..	..	..	..	..	..	..	....	..	..	....	4	2	2	..	3	6	....	6	2	1	3	4	2	1	..	..	..	2	..	2	3	1	..	..	..
44. Paralysis	17	....	..	..	..	..	..	..	..	....	..	..	3	4	7	3	..	8	9	....	6	10	1	1	16	....	4	2	2	4	1	..	1	..	1	..	1	1
48. Epilepsy	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	1	1	....	1	1	....	....	2	....	..	1	..	..	2	..	..	..	..	..	..	1
49. Convulsions	4	1	1	..	..	..	..	..	..	....	1	1	....	..	..	..	..	1	3	....	2	2	....	2	2	....	..	..	..	..	..	..	..	1	..	..	1	..
51. Other Diseases of Nervous System	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VIII.—Diseases of Skin.																																						
Group Total	2	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	1	1	...	1	1	....	....	2	....	..	1	..	..	..	1	..	..	..	..	..	..
109. Gangrene	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	...	1	....	....	1	...	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	...	...	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	5	...	11	....	....	11	....	....	3	3	..	1	1	..	..	1	..	1	1	..
117. Premature Birth	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	...	2	....	....	2	....	....	1	1	..	..	..	..	..	..	..	..	..	..
118. Congenital Debility	9	9	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	5	....	9	....	....	9	....	....	2	2	..	1	1	..	..	1	..	1	1	..
119. XII.—Old Age.																																						
Group Total	25	....	..	..	..	..	..	..	..	...	..	..	....	..	15	10	..	8	17	....	8	17	.. .	5	19	1	2	4	2	3	5	2	2	1	2	2	..	..
XIII.—Violence and other External Causes.																																						
Group Total	11	....	1	..	..	..	2	..	..	3	2	..	1	1	..	1	..	8	3	....	5	4	2	6	5	....	3	1	..	..	1	..	..	1	2	1	2	..
120. Suicides	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
122. Burns and Scalds	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
124. Drowning	4	....	..	..	..	..	..	..	..	3	..	..	....	1	..	..	..	4	....	....	3	1	....	2	2	....	1	..	..	..	..	..	..	1	..	1	1	..
127. Other Accidental Traumatisms	5	....	1	..	..	..	1	..	..	....	1	..	1	..	..	1	..	3	2	....	1	2	2	3	2	....	2	..	..	..	..	..	..	..	2	..	1	..
XIV.—Ill-Defined Diseases.																																						
Group Total	26	3	..	..	1	..	..	..	3	1	..	4	3	4	4	3	..	8	18	....	13	13	....	10	13	3	2	1	3	3	5	4	1	3	..	2	1	1
130. Dropsy	6	....	..	..	..	..	..	..	1	....	..	1	....	1	1	1	..	1	5	....	2	4	...	1	4	1	1	..	..	1	2	..	..	1	..	..	..	1
131. Heart Failure	13	2	..	..	..	..	..	..	2	1	..	..	1	3	3	1	..	6	7	....	6	7	....	6	6	1	1	..	3	1	3	2	1	1	..	1	..	..
132. Other ill-defined causes	4	....	..	..	1	..	..	..	..	....	..	1	1	..	..	1	..	....	4	....	3	1	....	2	2	....	..	..	1	..	1	..	1	..	..	..	1	..	..
133. Unknown causes	3	1	..	..	..	..	..	..	..	....	..	2	....	..	..	..	..	1	2	....	2	1	....	1	1	1	..	..	..	..	..	..	1	..	1	..	1	..
134. XV.—Still Births.																																						
Group Total	16	16	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	11	5	....	16	....	....	16	....	....	2	1	2	1	1	1	2	..	1	..	1	4

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																			
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	740	205	10	10	5	3	10	10	10	54	41	47	61	83	98	79	14	404	336	.....	473	241	26	360	374	6	78	81	65	50	48	51	40	85	57	71	51	63
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	21	2	..	1	..	1	1	..	..	1	4	2	2	..	2	4	1	12	9	....	14	7	....	12	8	1	3	5	1	1	1	..	1	3	2	4	..	..
1. Typhoid Fever	6	....	..	..	..	..	..	..	..	1	3	2	....	..	..	..	..	4	2	....	4	2	....	5	1	....	..	..	..	..	..	..	..	2	2	2	..	..
7. Diphtheria and Croup	2	....	..	..	..	1	1	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	1	1	..	..	..	..	..	..	..	..	..	..
8. Influenza	8	....	..	..	..	..	..	..	..	....	1	..	2	..	2	2	1	3	5	....	4	4	....	2	5	1	2	4	1	..	1	..	..	..	..	..	..	..
9. Dysentery	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
10. Erysipelas	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..	..
11. Other Epidemic Diseases	3	....	..	1	..	..	..	..	..	....	..	..	....	..	..	2	..	3	....	....	2	1	....	1	2	....	..	..	..	..	1	..	..	..	..	1	..	..
(B.—Other General Diseases.)																																					
Group Total	143	9	2	..	..	1	3	2	4	25	17	19	22	18	15	1	5	75	68	....	97	39	7	54	86	2	14	9	16	9	8	10	10	20	11	10	8	18
12. Septicæmia	5	....	..	..	..	..	..	..	..	2	..	..	....	1	1	..	1	3	2	....	4	1	....	2	3	....	1	..	1	..	..	..	1	1	..	..	..	..
13. Tuberculosis of Lungs	50	1	1	..	..	1	1	3	22	11	5	1	3	1	..	1	..	25	25	....	43	6	1	26	24	....	1	5	8	3	4	4	4	3	5	4	5
14. Tuberculosis of Larynx	3	3	..	..	..	..	..	..	..	..	..	1	....	..	..	..	..	2	1	....	3	....	....	1	2	....	..	..	..	..	..	1	..	..	..	..	..	3
15. Tuberculous Meningitis	5	3	..	..	..	..	1	..	..	..	..	1	....	..	..	..	..	3	2	....	4	1	....	3	1	1	1	..	1	..	1	1	..	..	..	..	..	1
16. Abdominal Tuberculosis	1	....	1	..	..	..	..	..	..	..	..	..	....	..	..	..	..	1	....	....	....	....	1	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
21. General Tuberculosis	3	1	..	..	..	..	..	1	..	1	..	..	....	..	..	..	..	3	....	....	3	....	....	1	2	....	1	..	..	..	..	..	..	..	..	..	..	..
23. Venereal Diseases	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
25. Cancer of Stomach and Liver	14	....	..	..	..	..	..	..	..	....	..	3	4	3	3	..	1	9	5	....	8	6	....	1	13	....	1	2	1	1	1	2	..	..	..	..	..	1
26. Cancer of Intestines	4	....	..	..	..	..	..	..	..	....	..	..	....	3	1	..	..	3	1	....	....	3	1	1	2	1	..	..	..	..	..	..	..	2	1	..	..	1
27. Cancer of Genital Organs	5	....	..	..	..	..	..	..	..	....	..	2	1	..	..	..	1	....	5	....	5	....	....	....	5	....	..	..	..	..	..	..	..	..	1	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	17	....	..	..	..	..	..	..	..	....	..	2	7	2	5	..	1	9	8	....	7	8	2	4	13	....	..	..	..	..	..	..	..	..	..	..	..	..
31. Tumors	5	1	..	..	..	..	..	..	..	....	1	..	1	1	1	..	..	1	4	....	4	1	....	2	3	....	2	..	1	..	..	1	..	1	..	..	..	..
32. Rheumatism	12	....	..	..	..	1	1	..	1	..	1	2	4	..	2	..	..	3	9	....	7	3	2	7	5	....	2	..	2	..	1	1	..	3	1	1	..	1
33. Diabetes	6	....	..	..	..	..	..	..	..	....	2	1	1	2	..	..	..	5	1	....	2	4	....	2	4	....	3	2	..	..	1	1	..	..	..	1	..	..
34. Anæmia, Leukæmia	9	....	..	..	..	..	..	..	..	....	1	2	2	3	1	..	..	6	3	....	6	3	....	2	7	....	1	..	..	2	1	..	1	2	1	..	..	1
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
II.—Diseases of Nervous System.																																					
Group Total	78	17	2	2	..	1	1	2	2	3	3	5	8	11	12	7	2	41	37	....	52	24	2	37	40	1	15	8	3	4	5	7	6	9	5	6	4	6
38. Encephalitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
39. Meningitis	9	1	1	1	..	1	1	1	1	....	..	1	1	..	..	..	..	5	4	....	7	2	....	8	1	....	..	..	1	..	..	..	2	1	1	1	1	2

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
40. Locomotor Ataxia	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..
41. Other Diseases of Spinal Cord	3	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	2	1	..	1	1	1	1	1	1	..	..	..	..	..	1	2	..	..	..	..	..
42. Apoplexy	23	..	..	..	..	..	..	..	..	..	1	1	4	8	4	3	2	12	11	..	10	12	1	3	20	..	5	3	1	1	1	2	2	3	2	..	2
44. Paralysis	14	..	..	..	..	..	..	..	..	1	..	1	2	6	3	..	..	6	8	..	7	7	..	2	12	..	3	2	1	3	1	2	1	..	..	1	..
45. General Paralysis of Insane	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
46. Other forms of Mental Disease	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
47. Other Diseases of Brain	4	1	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..	2	2	..	4	..	..	2	2	..	2	1	..	..	..	..	1	..	..	..	..	..
48. Epilepsy	2	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	2	..	..	2	..	..	2	..	..	1	..	..	..	..	..	..	..	..	1	..	..
49. Convulsions	17	13	..	1	..	..	..	..	1	1	..	1	..	..	..	..	..	8	9	..	17	..	..	15	2	..	3	2	..	..	3	3	..	2	1	1	1	1
50. Tetanus	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
51. Other Diseases of Nervous System	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
III.—Diseases of Circulatory System.																																						
Group Total	**63**	5	..	1	..	..	1	1	..	1	..	4	6	18	12	14	..	37	26	..	24	35	4	15	48	..	6	6	8	4	5	2	2	7	3	7	6	7
53. Endocarditis	3	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	1	2	..	3	..	..	2	1	..	..	..	..	1	..	..	..	1	1	..	..	..
54. Heart Disease	31	3	..	..	..	..	..	1	..	1	..	3	4	7	8	4	..	16	15	..	12	17	2	7	24	..	3	3	1	..	4	1	2	4	1	3	2	4
55. Angina Pectoris	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
56. Disease of Arteries	24	..	..	..	..	..	..	..	..	..	1	1	10	3	9	..	..	17	7	..	6	16	2	4	20	..	3	2	1	3	1	..	..	2	1	4	4	3
60. Other Diseases of Circulatory System	4	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	3	1	..	3	1	..	2	2	..	..	1	2	1	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	**86**	16	3	2	3	..	1	..	..	5	3	5	7	10	20	9	2	40	46	..	48	37	1	28	53	..	18	15	11	3	4	3	5	3	1	8	5	7
61. Diseases of Larynx	3	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	..	..	3	..	..	..	..	1	..	..	..	..	..	..	2	..	..
63. Acute Bronchitis	10	3	1	..	..	..	..	..	..	..	..	..	..	3	..	3	..	3	7	..	5	5	..	5	5	..	2	1	2	..	1	..	1	..	1	1	1
64. Chronic Bronchitis	9	..	..	..	..	..	..	..	..	..	..	..	..	2	5	..	2	3	6	..	3	6	..	3	6	..	2	2	1	..	..	..	1	..	..	1	1	1
65. Broncho-Pneumonia	5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	..	5	..	..	4	1	..	..	1	3	..	..	..	..	..	..	..	..	1
66. Pneumonia	48	8	1	2	2	..	1	..	..	4	2	3	5	3	12	5	..	25	23	..	26	21	1	16	32	..	10	10	7	3	2	3	2	1	1	2	3	4
67. Pleurisy	2	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	2	..	1	1	..	..	2	..	..	..	..	..	..	..	1	1	..	..	..	..
68. Congestion of Lungs	4	..	..	..	..	..	..	..	..	..	1	1	1	..	1	..	..	1	3	..	2	2	..	..	4	..	1	..	..	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	3	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	2	1	..	2	1	..	..	3	..	..	1	..	..	1	..	..	..	..	1	..	..
71. Hemorrhage of Lungs	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	**77**	43	..	3	1	..	2	1	1	5	4	2	1	4	3	4	..	39	38	..	63	11	3	61	16	..	..	8	4	5	2	3	1	16	14	13	3	5
76. Ulcer of Stomach	4	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	..	2	2	..	2	2	..	3	1	..	..	1	1	..	..	..	1	..	..	1	..	..
77. Gastritis	4	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	2	2	..	4	..	..	4	..	..	..	..	..	..	..	..	1	..	1	2	..	..
78. Other Diseases of the Stomach	6	4	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	2	1	..	5	1	..	5	1	..	..	1	1	..	..	..	3	..	1	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	33	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	16	..	33	..	..	33	..	..	..	..	..	..	2	1	2	10	10	6	2	..
81. Diarrhœa and Enteritis (2 years and over)	6	..	..	2	..	..	..	..	..	..	2	1	..	..	..	1	..	4	2	..	3	2	1	4	2	..	..	1	..	..	..	..	1	1	3	..	..	..
82. Hernia	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
83. Obstruction of Intestines	5	1	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	4	..	3	1	1	2	3	..	..	1	..	2	..	..	..	1	..	..	..	1
84. Other Diseases of Intestines	2	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	1
85. Acute Yellow Atrophy of Liver	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
87. Cirrhosis of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
89. Other Diseases of Liver	3	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	1	2	..	1	2	..	..	3	..	..	..	..	2	..	..	..	..	..	..	1	..

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LONDON.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XIV.—Ill-Defined Diseases.																																						
Group Total	34	3	3	..	..	..	..	1	1	2	..	4	4	7	5	2	2	18	16	....	20	13	1	13	21	....	5	1	2	4	3	6	1	4	3	2	2	1
130. Dropsy	4	....	..	..	..	..	..	1	..	....	..	..	1	..	1	..	1	1	3	....	1	3	....	2	2	....	..	..	..	1	..	3	..	..	..	..	..	..
131. Heart Failure	17	....	..	..	..	..	..	..	1	2	..	2	3	3	3	2	1	7	10	....	9	7	1	2	15	....	5	..	..	2	3	1	2	..	..	1	..	1
132. Other ill-defined causes	11	2	3	..	..	..	..	..	..	....	..	2	....	3	1	..	..	8	3	....	8	3	....	8	3	....	..	..	..	..	2	1	1	2	3	1	1	..
133. Unknown causes	2	1	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	2	..	....	2	..	....	1	1	....	..	1	..	..	..	..	..	..	..	1	..	..
134. XV.—Still Births.																																						
Group Total	33	33	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	17	16	....	33	..	....	33	....	....	4	5	2	3	3	3	1	3	1	2	3	3

CAUSES OF DEATH BY CITIES—IN NIAGARA FALLS, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	158	47	2	2	3	1	8	3	3	12	7	18	8	11	15	13	5	78	75	5	106	44	8	78	75	5	16	22	19	14	8	6	16	12	12	11	16	6
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	14	....	..	..	2	1	5	..	1	2	1	..	....	..	2	..	..	6	8	....	13	1	....	11	3	....	1	3	4	2	2	1	..	..	1	..	..	..
1. Typhoid Fever	6	....	..	..	..	..	1	..	1	2	1	..	....	..	1	..	..	2	4	....	6	....	....	4	2	....	..	2	1	1	2	..	..	..	..	..	..	..
5. Scarlet Fever	3	....	..	..	1	..	2	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	2	1	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	4	....	..	..	1	1	2	..	..	....	..	..	....	..	..	..	..	2	2	....	4	....	....	4	....	....	1	1	1	2	1	2	..	..	1	..	..	..
9. Dysentery	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	20	1	..	..	..	..	1	..	..	3	2	4	2	5	1	1	..	11	9	....	10	9	1	3	17	....	2	4	4	3	2	..	..	1	..	1	1	2
13. Tuberculosis of Lungs	4	....	..	..	..	..	..	..	..	2	..	2	....	..	..	..	..	3	1	....	1	3	....	....	4	....	..	..	1	1	..	..	..	..	..	1	1	..
17. Pott's Disease	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	1	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	2	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	....	2	....	....	1	1	....	2	....	1	..	..	..	..	..	..	..	..	..	..	1
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	..	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
30. Cancer of other unspecified organs	7	....	..	..	..	..	1	..	..	....	..	1	1	3	1	..	..	5	2	....	5	2	....	2	5	....	..	2	3	1	1	..	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	..	....	1	..	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	..	..	1	1	..	....	1	..	..	..	1	2	....	1	2	....	....	3	....	..	..	..	1	..	..	..	..	1	..	..	1

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
119. XII.—Old Age.																																						
Group Total	6	....	..	..	..	..	..	..	..	....	..	..	....	..	2	4	..	2	4	....	1	5	....	1	5	....	..	..	..	..	..	..	1	2	1	..	2	..
XIII.—Violence and other External Causes.																																						
Group Total	15	...	1	1	..	..	..	1	1	2	..	1	1	..	2	1	4	12	2	1	5	5	5	4	6	5	..	..	..	1	1	1	4	..	1	3	4	..
120. Suicides	5	....	..	..	..	..	..	..	1	1	..	..	....	..	..	..	3	4	1	....	....	2	3	1	....	4	..	..	..	..	..	1	....	..	1	..	3	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	...	1	....	..	..	..	..	1	..	..	..	..	..	..	..
122. Burns and Scalds	1	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	...	....	..	..	..	..	..	..	..	..	..	1	..	..
123. Physical Phenomena	1	....	..	..	..	..	..	..	..	...	..	..	....	..	..	1	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
124. Drowning	3	....	1	..	..	..	..	1	..	....	..	..	....	..	..	..	1	1	1	1	2	....	1	2	....	1	..	..	..	..	..	..	2	..	..	..	1	..
127. Other Accidental Traumatisms	4	...	..	1	..	..	..	..	..	....	..	1	....	..	2	..	..	4	....	....	1	2	1	....	4	....	..	..	..	1	..	..	1	..	..	2	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	11	4	..	1	..	..	..	..	1	1	1	1	1	1	..	..	..	8	3	....	10	1	....	7	1	....	2	1	1	1	..	..	1	1	2	1	1	..
131. Heart Failure	4	....	..	..	..	..	..	..	1	1	1	1	....	..	..	..	..	2	2	....	4	....	....	2	2	....	..	1	1	..	..	..	1	..	1	..	..	..
132. Other ill-defined causes	6	4	..	1	..	..	..	..	..	....	..	..	....	1	..	..	..	5	1	....	6	...	....	5	1	....	2	..	..	1	..	..	..	1	1	..	1	..
133. Unknown causes	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	1	...	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
134. XV.—Still Births.																																						
Group Total	11	11	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	2	3	11	....	....	11	....	..	..	..	1	2	..	..	2	4	2	..	..	..

CAUSES OF DEATH BY CITIES—IN OTTAWA, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	1465	521	72	33	11	11	29	22	32	112	98	75	100	130	115	100	4	755	710	.....	1179	245	41	884	520	61	125	132	138	137	122	107	159	129	108	95	111	102
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	99	20	19	9	5	4	10	3	2	8	6	2	7	4	.....	.....	.....	57	42	.....	83	16	.....	81	17	1	4	3	7	8	4	7	11	8	6	15	16	10
1. Typhoid Fever	25	.....	1	1	.....	.....	2	2	2	7	5	2	3	.....	.....	.....	.....	20	5	.....	19	6	.....	15	10	.....	.....	.....	.....	.....	1	1	2	1	1	7	8	4
4. Measles	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2	.....	.....	2	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
5. Scarlet Fever	4	.....	1	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	.....	3	1	.....	4	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
6. Whooping Cough	42	20	13	2	3	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	22	.....	37	5	.....	42	.....	.....	.....	1	2	3	1	2	7	6	5	6	6	3
7. Diphtheria and Croup	15	.....	3	4	1	1	4	.....	.....	1	.....	.....	.....	1	.....	.....	.....	10	5	.....	14	1	.....	14	1	.....	2	.....	2	3	1	1	2	.....	.....	.....	1	3
8. Influenza	6	.....	1	.....	.....	.....	1	.....	.....	.....	1	.....	2	1	.....	.....	.....	1	5	.....	5	1	.....	2	3	1	1	2	1	2	.....	.....	.....	.....	.....	.....	.....	.....
10. Erysipelas	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	.....	.....	.....	1	3	.....	3	1	.....	1	3	.....	.....	.....	.....	2	.....	1	.....	.....	.....	.....	1	.....
11. Other Epidemic Diseases	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
(B.—Other General Diseases.)																																						
Group Total	203	6	3	2	2	.....	5	6	7	29	38	32	26	28	14	5	.....	84	119	.....	151	42	10	77	113	13	25	24	24	19	17	14	15	12	19	5	16	13
12. Septicæmia	3	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	3	.....	.....	3	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	.....	.....
13. Tuberculosis of Lungs	81	.....	2	.....	.....	.....	1	5	5	20	20	15	10	3	2	.....	.....	36	45	.....	63	15	3	33	44	4	12	9	10	7	5	7	6	6	10	1	6	2
15. Tuberculous Meningitis	4	.....	.....	1	.....	.....	1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	3	1	.....	4	.....	.....	4	.....	.....	.....	.....	.....	.....	1	1	.....	.....	2	.....	.....	.....
16. Abdominal Tuberculosis	4	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	3	.....	4	.....	.....	2	2	.....	1	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....
17. Pott's Disease	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
18. Tuberculous Abscess	2	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2	.....	.....	1	1	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
19. White Swelling	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20. Tuberculosis of other organs	4	1	.....	.....	.....	.....	.....	1	.....	.....	2	.....	.....	.....	.....	.....	.....	1	3	.....	4	.....	.....	4	.....	.....	.....	.....	.....	1	.....	.....	2	.....	.....	1	.....	.....
21. General Tuberculosis	2	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
22. Scrofula	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
23. Venereal Diseases	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
25. Cancer of Stomach and Liver	21	.....	.....	.....	.....	.....	.....	.....	.....	1	2	6	6	3	3	.....	.....	12	9	.....	16	4	1	2	19	.....	2	3	1	4	.....	3	2	2	.....	1	2	1
26. Cancer of Intestines	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	2	1	.....	.....	.....	3	4	.....	5	2	.....	4	3	.....	1	1	.....	1	2	.....	1	.....	.....	.....	.....	1
27. Cancer of Genital Organs	4	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	2	.....	.....	.....	.....	4	.....	1	3	.....	1	2	1	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....	1
28. Cancer of Breast	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3	1	1	.....	.....	6	.....	2	4	.....	.....	6	.....	4	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....
29. Cancer of Skin	3	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	1	.....	.....	2	1	.....	2	1	.....	1	1	1	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....
30. Cancer of other unspecified organs	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	4	1	5	1	.....	.....	3	10	.....	6	5	2	1	8	4	.....	1	2	.....	2	.....	.....	1	3	.....	2	2
31. Tumors	4	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	.....	.....	.....	.....	.....	4	.....	4	.....	.....	1	2	1	.....	.....	.....	1	2	.....	.....	.....	.....	.....	1	.....
32. Rheumatism	9	.....	.....	.....	.....	.....	.....	1	2	1	2	3	.....	.....	.....	.....	.....	3	6	.....	7	.....	2	6	3	.....	1	5	.....	.....	.....	1	1	.....	.....	1	.....	.....
33. Diabetes	10	.....	.....	.....	.....	.....	2	.....	.....	2	2	1	.....	2	1	.....	.....	5	5	.....	7	3	.....	2	8	.....	2	2	.....	1	.....	.....	.....	1	1	.....	.....	3
34. Anæmia, Leukæmia	12	2	.....	.....	.....	.....	.....	.....	.....	1	3	.....	2	2	.....	.....	.....	5	7	.....	9	2	1	3	7	2	.....	1	3	.....	.....	3	.....	.....	1	.....	1	1
35. Alcoholism	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	1	.....	.....	.....	.....	3	2	.....	3	2	.....	2	3	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
37. Other General Diseases	5	.....	.....	1	.....	.....	.....	.....	.....	.....	1	1	2	.....	.....	.....	.....	1	4	.....	3	1	1	1	4	.....	.....	.....	1	.....	.....	.....	2	.....	.....	.....	1	1

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
II.—Diseases of Nervous System.																																						
Group Total	141	20	10	8	1	1	7	6	5	9	6	6	10	21	23	7	1	69	72	....	118	19	4	76	59	6	13	13	10	12	18	12	15	12	5	13	11	7
39. Meningitis	34	7	6	4	..	1	4	4	1	6	..	..	....	1	..	..	..	16	18	....	33	1	....	32	2	...	1	2	3	7	5	3	3	5	1	2	2	..
40. Locomotor Ataxia	4	....	..	..	..	..	..	..	..	....	..	1	1	..	1	..	1	3	1	....	3	....	1	2	2	....	1	..	1	..	..	..	..	..	1	1	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
42. Apoplexy	31	....	1	..	..	..	..	..	1	1	2	3	6	8	6	3	..	16	15	....	21	8	2	7	20	4	1	5	3	3	5	2	1	1	3	2	4	1
44. Paralysis	28	....	..	..	..	..	..	..	1	1	1	..	1	10	11	3	..	10	18	....	20	8	....	5	21	2	5	2	..	..	3	6	3	2	..	4	1	2
45. General Paralysis of Insane	1	..	..	..	..	..	..	..	..	..	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
46. Other Forms of Mental Disease	3	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	2	....	....	2	....	....	2	....	....	....	....	....	....	....	....	1	....	....	....	1	..
47. Other Diseases of Brain	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	..	..
48. Epilepsy	2	....	..	..	..	..	1	..	..	....	..	..	....	..	..	1	..	1	1	....	2	....	....	1	1	....	....	..	1	....	....	....	....	....	....	1	..	..
49. Convulsions	24	12	3	4	1	..	2	..	..	....	2	..	....	..	..	..	..	12	12	....	23	1	....	22	2	..	3	3	2	2	2	..	6	4	....	..	2	..
50. Tetanus	3	1	..	..	..	..	..	1	..	....	..	..	....	1	..	..	..	3	....	....	2	....	1	2	1	....	....	..	1	..	..	..	..	1	..	..	..	..	1
51. Other Diseases of Nervous System	10	....	..	..	..	1	..	1	1	1	2	..	1	..	3	..	..	5	5	...	9	1	....	4	6	....	2	..	..	..	2	1	..	..	..	2	1	2
III.—Diseases of Circulatory System.																																						
Group Total	120	5	1	..	..	..	1	1	3	13	6	7	16	24	24	18	1	51	69	....	72	44	4	22	95	3	14	7	15	14	10	9	8	8	11	9	8	7
52. Pericarditis	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	....	2	....	2	....	....	....	1	1	..	..	1	1	..	..	..	..	..	..	..	..
53. Endocarditis	20	....	..	..	..	..	1	..	..	....	..	..	4	7	5	3	..	6	14	....	13	7	....	2	18	....	2	2	2	2	4	..	1	1	3	1	1
54. Heart Disease	71	3	1	..	..	..	..	..	3	8	5	5	9	16	12	9	..	35	36	....	42	27	2	15	55	1	11	5	6	8	5	6	5	3	9	4	4	5
56. Disease of Arteries	15	....	..	..	..	..	..	..	..	....	..	..	3	1	4	6	1	7	8	....	7	6	2	....	14	1	..	..	4	1	1	..	2	2	1	2	1	1
57. Embolism and Thrombosis	4	....	..	..	..	..	..	1	..	1	..	2	....	..	..	..	..	1	3	....	2	2	....	2	2	....	1	..	..	2	..	1	..	..	..	..	..	..
60. Other Diseases of Circulatory System	8	2	..	..	..	..	..	..	..	3	..	..	....	..	3	..	..	2	6	...	6	2	....	3	5	....	..	..	2	..	..	2	..	2	..	..	2	..
IV.—Diseases of Respiratory System.																																						
Group Total	166	51	15	8	2	2	3	..	2	11	6	7	14	20	12	12	1	84	82	....	123	34	9	94	61	11	18	25	23	19	24	14	5	2	4	11	11	10
61. Diseases of Larynx	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	...	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	12	7	1	1	..	..	..	..	..	....	..	..	....	1	..	2	..	6	6	....	8	4	....	9	3	....	..	1	1	2	3	..	1	..	1	..	1	2
64. Chronic Bronchitis	6	....	..	1	..	..	..	..	..	....	..	..	....	1	3	1	..	3	3	....	4	2	....	3	3	....	..	..	2	..	1	..	2	..	1	..	..	..
65. Broncho-Pneumonia	38	16	9	2	1	..	..	..	..	2	..	..	2	1	3	2	..	22	16	....	33	4	1	28	6	4	3	5	7	5	8	4	..	..	2	1	2	1
66. Pneumonia	82	20	4	4	1	2	2	..	1	6	5	5	10	10	5	6	1	40	42	....	57	18	7	39	39	4	10	17	11	10	7	8	1	2	..	6	7	3
67. Pleurisy	9	....	1	..	..	..	..	..	..	3	1	2	1	1	..	..	..	5	4	....	7	2	....	5	4	....	1	..	..	..	3	2	1	..	..	1	..	1
68. Congestion of Lungs	6	5	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	2	4	....	5	1	....	4	1	1	..	..	..	1	1	..	..	..	..	1	1	2
70. Asthma and Emphysema	3	....	..	..	..	..	..	..	..	....	..	..	....	1	1	1	..	....	3	....	1	2	....	....	3	....	1	..	..	..	..	..	..	..	..	..	2	..	..
71 Hemorrhage of Lungs	3	....	..	..	..	..	1	..	1	....	..	..	....	1	..	..	..	1	2	....	3	....	....	2	1	....	1	..	2	..	..	..	..	..	..	..	..	..
72. Other Diseases of Respiratory System (Phthisis excepted)	6	2	..	..	..	..	..	..	..	....	..	..	1	3	..	..	..	5	1	....	4	1	1	3	1	2	2	1	..	1	1	..	..	..	..	..	..	1
V.—Diseases of Digestive System.																																						
Group Total	190	100	21	3	1	2	1	3	7	10	10	7	5	8	9	3	..	101	89	....	168	19	3	148	30	12	12	14	12	12	12	7	41	36	18	10	8	8
76. Ulcer of Stomach	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	1	..	..	..	..	..	1	..	..	..	..
77. Gastritis	9	5	..	1	..	..	..	..	..	....	1	..	1	..	1	..	..	5	4	....	6	3	....	5	2	2	1	2	1	1	..	..	..	..	..	2	2	..
78. Other Diseases of the Stomach	16	10	1	..	..	..	..	..	..	....	..	2	....	1	2	..	..	6	10	....	13	2	1	9	4	3	2	3	3	..	2	..	1	2	..	1	1	1
80. Diarrhœa and Enteritis (under 2 years)	95	76	19	..	..	..	..	..	..	....	..	..	....	..	..	..	..	51	44	....	95	....	....	95	....	....	3	..	1	1	3	2	32	28	15	3	3	4
81. Diarrhœa and Enteritis (2 years and over)	10	....	..	2	..	..	..	..	..	....	2	1	1	3	..	1	..	4	6	....	6	3	1	2	6	2	..	2	1	1	1	1	1	2	..	1	..	..
82. Hernia	3	....	..	..	..	..	..	..	..	....	..	..	....	..	2	1	..	1	2	....	2	1	....	1	1	....	..	1	..	..	..	..	..	..	..	..	..	..
83. Obstruction of Intestines	9	1	..	..	..	1	..	..	1	1	2	1	....	1	..	1	..	5	4	....	7	2	....	5	4	....	1	1	1	3	1	1	1	..	..	..	..	..
84. Other Diseases of Intestines	9	5	..	..	1	..	..	..	..	....	1	..	....	..	2	..	..	5	4	....	7	2	....	6	1	2	1	2	1	..	1	1	1	1	..	..	1	..
87. Cirrhosis of Liver	6	....	..	..	..	..	..	..	..	1	..	..	3	2	..	..	..	4	2	....	5	1	....	3	3	....	..	1	1	3	..	..	1	..	..	..	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....

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CAUSES OF DEATH BY CITIES—IN PETERBOROUGH, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	273	78		4	3	2	2	6	4	6	24	17	21	24	25	39	17	1	134	139	.....	204	62	7	141	127	5	14	22	38	20	26	15	19	28	18	32	15	26
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	7	1	..	..	..	..	1	..	..	..	1	1	1	....	1	..	..	1	6	1	....	5	1	1	4	3	....	..	..	..	2	1	1	..	..	..	2	1	..
1. Typhoid Fever	3	....	..	..	..	..	..	..	..	..	....	1	1	....	..	..	..	1	2	1	....	2	....	1	1	2	....	..	..	..	..	..	..	..	..	..	2	1	..
4. Measles	1	....	..	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
8. Influenza	2	1	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	2	..	..	..	..	..	..	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	56	....	..	1	..	..	..	2	3	3	12	2	8	8	11	6	..	..	21	35	....	43	13	....	25	31	....	1	6	13	3	6	5	2	3	4	5	3	5
12. Septicæmia	1	....	..	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	19	....	..	..	..	..	..	1	2	8	2	4	1	1	..	..	..	..	9	10	....	16	3	....	11	8	....	1	2	4	..	3	..	1	..	2	2	1	3
15. Tuberculous Meningitis	1	....	..	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
16. Abdominal Tuberculosis	2	....	..	..	..	..	1	1	..	..	....	..	..	....	..	..	..	..	1	1	....	1	1	....	2	....	....	..	..	1	..	..	..	..	..	..	1	..	..
17. Pott's Disease	1	....	..	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	..	....	..	1	2	1	..	..	..	1	3	....	3	1	....	....	4	....	..	..	..	2	1	..	..	..	..	1	..	..
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	..	1	1	..	..	..	..	..	..
28. Cancer of Breast	3	....	..	..	..	..	..	..	..	..	....	..	1	....	2	..	..	..	....	3	....	2	1	....	....	3	....	..	..	..	..	..	1	..	1	..	..	1	..
30. Cancer of other Unspecified Organs	7	....	..	..	..	..	..	..	..	..	1	..	..	2	3	1	..	..	1	6	....	3	4	....	1	6	....	..	1	2	..	..	2	..	1	..	1	..	..
31. Tumors	4	....	..	1	..	..	..	..	..	..	1	..	1	....	..	1	..	..	3	1	....	3	1	....	3	1	....	..	2	..	1	..	..	..	..	..	1	..	..
32. Rheumatism	2	....	..	..	..	..	..	..	1	..	1	..	..	....	..	..	..	..	2	....	....	2	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	1
33. Diabetes	1	....	..	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	..	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	7	....	..	..	..	..	..	..	..	..	....	..	1	1	1	1	..	..	2	5	....	5	2	....	....	7	....	..	1	1	..	1	..	1	..	1	1	..	1
37. Other General Diseases	2	....	..	..	..	..	..	..	..	1	1	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	..	..	..	..	..	1	..	1	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	21	5	1	1	1	..	..	..	..	..	1	1	1	1	3	3	..	..	9	12	....	15	4	2	11	9	1	..	1	2	4	3	1	3	2	1	3	..	1
39. Meningitis	2	....	1	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	1	..	..	..	..	..	1	..	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
42. Apoplexy	6	1	..	..	..	..	..	..	..	..	2	..	3	....	..	..	..	..	3	3	....	1	3	2	2	3	1	..	..	..	1	..	..	2	1	1	1	..	..
44. Paralysis	2	....	..	..	..	..	..	..	..	..	....	2	....	....	..	..	..	..	1	1	....	2	....	....	....	2	....	..	..	..	1	..	..	1	..	..	..	..	..
46. Other Forms of Mental Disease	1	....	..	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
48. Epilepsy	1	....	..	..	..	..	..	..	..	..	....	..	....	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
49. Convulsions	5	3	..	1	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	4	....	5	....	....	4	1	....	..	..	1	1	1	1	..	..	..	..	..	..
51. Other Diseases of Nervous System	3	1	..	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	1	..	..	1	..	..	1	..	..

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PETERBOROUGH.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
X.—Malformations.																																						
Group Total	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	1	1
116. Congenital Malformations (Still Births excluded)	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	1	1
XI.—Early Infancy.																																						
Group Total	27	27	..	..	..	..	..	..	..	....	..	..	...	..	..	..	..	15	12	....	27	....	....	27	....	....	1	1	1	2	4	1	4	3	2	3	3	2
117. Premature Birth	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	3	....	8	....	....	8	....	....	..	..	..	..	1	1	2	..	..	1	2	1
118. Congenital Debility	19	19	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	10	9	....	19	....	....	19	....	....	1	1	1	2	3	..	2	3	2	2	1	1
119. XII.—Old Age.																																						
Group Total	14	....	..	..	..	..	..	..	..	....	..	..	....	..	6	8	..	6	8	....	4	8	2	2	12	....	1	..	1	..	3	..	3	..	..	3	1	2
XIII.—Violence and other External Causes.																																						
Group Total	9	1	..	..	..	..	2	..	1	....	..	..	2	1	2	..	..	6	3	....	6	2	1	4	5	....	..	..	1	..	2	..	1	1	..	1	..	3
122. Burns and Scalds	4	1	..	..	..	..	..	..	1	....	..	..	....	1	1	..	..	2	2	....	3	....	1	2	2	....	..	..	..	..	1	..	..	1	..	1	..	1
124. Drowning	2	....	..	..	..	1	..	..	..	....	..	..	1	..	..	..	..	2	....	....	1	1	....	1	1	....	..	..	..	..	..	..	1	..	..	..	..	1
126. Other Accidental Poisonings	2	....	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	2	....	....	....	2	....	..	..	1	..	1	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	1	....	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
XIV.—Ill-Defined Diseases.																																						
Group Total	3	....	1	..	..	..	..	..	..	....	..	..	1	1	..	..	..	2	1	....	2	1	....	1	2	....	..	1	1	1	..	..	..	..	..	..	..	..
130. Dropsy	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
131. Heart Failure	2	....	1	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	1	....	1	1	....	1	1	....	..	1	..	1	..	..	..	..	..	..	..	..
134. XV.—Still Births.																																						
Group Total	16	16	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	10	....	16	....	....	16	....	....	1	3	5	..	..	2	..	1	..	1	1	2

CAUSES OF DEATH BY CITIES—IN PORT ARTHUR, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	244	95	15	5	3	5	12	4	8	22	26	18	12	6	4	....	9	165	78	1	170	40	34	170	42	32	19	14	14	21	22	17	12	33	24	24	26	18
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	38	4	4	3	..	2	7	1	3	6	4	1	1	1	..	..	1	26	12	....	24	7	7	30	3	5	3	2	4	6	5	2	1	4	2	4	3	2
1. Typhoid Fever	16	....	..	..	..	..	..	1	2	5	4	1	1	1	..	..	1	15	1	....	3	6	7	8	3	5	..	..	1	..	2	1	1	2	1	4	3	1
4. Measles	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
5. Scarlet Fever	13	1	2	3	..	1	5	..	1	....	..	..	....	..	..	..	..	8	5	....	13	....	....	13	....	....	1	1	2	4	2	1	..	2	..	..	..
6. Whooping Cough	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
7. Diphtheria and Croup	6	1	2	..	..	1	2	..	..	....	..	..	....	..	..	..	..	3	3	....	6	....	....	6	....	....	1	..	1	2	1	..	..	..	..	..	..	1
8. Influenza	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	26	1	..	1	..	..	1	..	3	5	6	2	4	..	2	..	1	19	7	....	11	10	5	11	10	5	1	3	1	4	2	2	2	2	2	..	2	5
13. Tuberculosis of Lungs	10	....	..	1	..	..	..	..	2	4	3	..	....	..	..	..	..	7	3	....	3	6	1	5	3	2	..	..	1	2	..	2	1	..	..	1	3
16. Abdominal Tuberculosis	2	....	..	..	..	..	1	..	1	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	1	..	..	..	..	..	..	..	1
18. Tuberculous Abscess	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	....	1	2	1	..	..	..	..	3	1	....	1	2	1	1	2	1	..	1	..	..	..	..	..	2	..	..	..	1
30. Cancer of other Unspecified Organs	4	....	..	..	..	..	..	..	..	....	1	..	1	..	2	..	..	3	1	....	2	1	1	1	3	...	1	1	..	1	1	..	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
35. Alcoholism	4	....	..	..	..	..	..	..	..	1	1	..	1	..	..	..	1	4	....	....	1	1	2	1	1	2	..	1	..	..	1	..	1	..	..	..	1	..
II.—Diseases of Nervous System.																																						
Group Total	12	4	..	..	..	1	1	2	..	....	1	2	....	1	..	..	..	5	7	....	8	....	4	8	4	....	1	1	1	..	1	..	2	..	..	1	2	3
39. Meningitis	2	....	..	..	..	1	1	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	1	..	..	..	..	..	1	..	..	..	..	..
42. Apoplexy	3	....	..	..	..	..	..	..	..	....	1	1	....	1	..	..	..	1	2	....	1	....	2	1	2	....	..	..	1	..	..	..	..	..	..	..	..	2
49. Convulsions	6	4	..	..	..	..	..	1	..	....	..	1	....	..	..	..	..	1	5	....	4	....	2	4	2	....	..	1	..	..	..	1	..	..	1	2	1
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	9	1	..	..	..	..	..	1	..	....	..	5	....	1	1	..	..	3	6	....	5	3	1	2	6	1	2	1	..	2	1	1	..	..	..	2	..
54. Heart Disease	7	1	..	..	..	..	..	..	..	....	..	4	....	1	1	..	..	3	4	....	4	3	....	1	6	....	2	..	..	2	1	1	..	..	..	1	..
57. Embolism and Thrombosis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	...	1	....	....	....	1	...	....	1	..	..	..	..	..	..	..	..	..	1	..
59. Diseases of Lymphatics	1	...	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..

PORT ARTHUR.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IV.—Diseases of Respiratory System.																																						
Group Total	23	7	2	..	1	1	2	..	..	1	1	4	2	..	..	..	2	18	5	....	18	3	2	15	5	3	3	2	4	2	1	..	..	2	..	4	3	2
61. Diseases of Larynx	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
62. Diseases of the Thyroid Body	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	..	..	3	..	..	1	..	..	..	..	..	..	1	..	2	..	..
65. Broncho-Pneumonia	6	4	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	5	1	..	6	..	..	6	..	..	..	2	2	1	..	..	..	..	..	..	..	..
66. Pneumonia	11	..	1	..	1	1	..	..	..	1	..	4	1	..	..	..	2	10	1	..	7	3	1	5	3	3	2	..	2	..	..	..	..	..	..	2	3	2
70. Asthma and Emphysema	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	53	37	8	..	1	..	..	..	1	..	1	3	..	1	..	..	1	34	19	....	49	2	2	48	2	3	1	3	..	2	4	2	3	20	10	4	3	1
78. Other Diseases of the Stomach	5	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	..	5	..	..	5	..	..	..	1	..	1	..	1	..	1	..	1	..	1	..
80. Diarrhœa and Enteritis (under 2 years)	39	31	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25	14	..	39	..	..	39	..	..	1	2	..	1	2	..	2	19	8	4	..	..
81. Diarrhœa and Enteritis (2 years and over)	2	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	..	..	..	1	1	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
83. Obstruction of Intestines	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..
84. Other Diseases of Intestines	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
85. Acute Yellow Atrophy of Liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
92. Appendicitis	4	..	..	..	..	..	..	1	..	1	2	..	..	..	..	..	..	3	1	..	3	1	..	1	1	2	..	..	..	..	1	..	1	..	..	..	1	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	4	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	2	2	..	1	..	3	1	2	1	1	..	..	..	..	1	..	..	1	..	..	1
94. Acute Nephritis	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
95. Bright's Disease	3	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	2	1	..	..	..	3	1	1	1	1	..	..	..	..	..	..	..	1	..	..	1
VII.—The Puerperal State.																																						
Group Total	3	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	3	..	1	2	..	..	3	..	2	..	..	..	..	..	..	..	..	..	..	1
106. Puerperal Septicæmia	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	..	2	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
XI.—Early Infancy.																																						
Group Total	13	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	2	..	13	..	..	13	..	..	..	1	..	1	1	1	..	2	3	3	..	1
117. Premature Birth	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	..	..	3	..	..	..	..	..	1	..	..	..	..	..	2	..	..
118. Congenital Debility	10	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	2	..	10	..	..	10	..	..	..	1	..	..	1	1	..	2	3	1	..	1
119. **XII.—Old Age.**																																						
Group Total	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	..	..	2	..	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	191	50	3	3	.....	3	4	4	1	19	14	12	11	25	20	21	1	105	86	.....	124	65	2	96	94	1	15	12	19	13	9	13	19	13	14	21	19	24
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	2	....	..	..	..	..	..	..	2	..	....	..	..	....	..	..	..	..	....	2	...	1	1	....	2	....	....	..	1	..	..	..	..	..	..	1	..	..
5. Scarlet Fever	1	....	..	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	1	....	..	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
(B.—Other General Diseases.)																																						
Group Total	32	1	..	..	..	..	..	..	..	1	7	4	4	3	7	3	1	1	20	12	....	16	15	1	12	20	....	3	1	4	2	..	4	2	1	..	5	5	5
13. Tuberculosis of Lungs	16	1	..	..	..	..	..	..	..	1	7	2	2	3	..	..	..	..	13	3	....	12	4	....	9	7	....	..	1	3	2	..	3	1	..	..	1	2	3
17. Pott's Disease	1	....	..	..	..	..	..	..	..	....	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
25. Cancer of Stomach and Liver	1	....	..	..	..	..	..	..	..	....	....	....	....	1	..	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
27. Cancer of Genital Organs	2	....	..	..	..	..	..	..	..	....	....	....	....	1	1	..	..	..	....	2	....	....	2	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
28. Cancer of Breast	2	....	..	..	..	..	..	..	..	....	....	....	....	1	1	..	..	..	....	2	....	....	2	....	....	1	....	..	..	..	1	..	..	1	..	..	..	..	..
30. Cancer of other Unspecified Organs	2	....	..	..	..	..	..	..	..	....	....	....	....	1	..	1	..	..	2	....	....	....	1	1	....	2	....	..	..	..	..	..	..	..	..	..	1	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	....	....	....	1	....	..	..	..	..	1	1	....	....	2	....	1	1	....	..	..	..	..	..	..	..	..	..	1	..	1
34. Anæmia, Leukæmia	5	....	..	..	..	..	..	..	..	....	1	..	....	....	2	1	..	1	3	2	....	....	1	4	....	5	....	..	1	..	..	..	..	1	..	..	1	1	1
37. Other General Diseases	1	....	..	..	..	..	..	..	..	....	....	....	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
XIII.—Violence and other External Causes.																																						
Group Total	28	....	..	1	1	1	1	..	..	6	8	1	5	..	..	..	4	23	4	1	9	10	9	10	6	12	3	1	1	..	4	5	2	1	3	2	5	1
120. Suicides	2	...	..	..	..	..	..	..	..	....	..	1	1	..	..	..	..	2	....	....	....	1	1	....	1	1	1	..	..	..	..	..	..	..	..	..	..	..
121. Fractures and Dislocations	3	...	..	..	..	..	1	..	..	1	..	..	....	..	..	..	1	3	....	....	2	....	1	2	....	1	1	..	1	..	..	1	1	..	..	..	..	..	..
123. Physical Phenomena	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	....	1	....	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
124. Drowning	6	....	..	..	..	..	..	..	..	1	3	..	1	..	..	..	1	5	....	1	1	2	3	....	1	5	....	..	..	..	..	2	2	..	1	..	1	..
125. Inhalation of Poisonous Gases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..
126. Other Accidental Poisonings	2	....	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	1	....	1	2	....	....	1	..	..	..	..	..	..	..	..	..	..	1
127. Other Accidental Traumatisms	13	....	..	..	..	1	..	..	..	4	4	..	2	..	..	..	2	12	1	....	5	5	3	6	2	5	1	..	1	..	3	..	..	1	2	1	4	..
XIV.—Ill-Defined Diseases.																																						
Group Total	7	2	1	..	..	..	..	..	..	1	1	1	....	....	1	..	..	..	4	3	....	5	1	1	5	1	1	..	..	..	1	..	..	1	..	..	2	1	2	..
131. Heart Failure	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	..	1	1	....	1	1	....	2	....	....	..	..	..	..	..	1	..	..	1	..	..	..
132. Other ill-defined causes	4	2	1	..	..	..	..	..	..	....	1	..	....	..	..	..	..	..	2	2	....	3	....	1	3	....	1	..	..	..	..	..	..	..	..	1	1	2	..
133. Unknown causes	1	....	..	..	..	..	..	..	..	....	....	..	....	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
134. XV.—Still Births.																																						
Group Total	26	26	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	18	8	....	26	....	....	26	....	....	2	..	3	3	3	1	2	1	1	5	4	1

CAUSES OF DEATH BY CITIES—IN ST. CATHARINES, 1908.

ST. CATHARINES.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
II.—Diseases of Nervous System.																																						
Group Total	16	2	2	1	..	1	..	1	..	3	..		1	1	..	3	1	..	5	11	....	14	2	....	9	7	....	3	..	1	1	1	2	4	..	4	..	..	..
39. Meningitis	3	2	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	..	..	..	2	..	..	1	..	..
40. Locomotor Ataxia	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..
42. Apoplexy	3	....	..	..	..	..	..	..	..	....	..	..	1	..	1	1	..	....	3	....	3	....	....	1	2	....	..	..	..	1	1	..	..	..	1	..	..
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..
44. Paralysis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
47. Other Diseases of Brain	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	..	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
49. Convulsions	3	....	2	....	1	..	..	..	..	....	..	..	....	..	..	..	..	1	2	....	3	....	....	3	....	....	..	..	1	..	..	..	1	..	1	..	..
50. Tetanus	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	2	....	..	..	..	..	1	..	..	....	..	1	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	1	..	1	..	..
III.—Diseases of Circulatory System.																																						
Group Total	4	....	..	..	..	..	..	..	..	1	1	..	....	1	1	..	..	4	....	....	2	2	....	2	2	....	..	..	1	..	..	..	2	..	1	..	..
54. Heart Disease	3	....	..	..	..	..	..	..	..	1	1	..	....	..	1	..	..	3	....	....	2	1	....	2	1	....	..	..	1	..	..	..	..	1	..	1	..	..
58. Diseases of Veins	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	19	4	..	..	..	1	..	..	..	3	1	2	1	3	2	2	..	8	11	....	10	9	....	9	10	....	2	4	1	3	3	1	1	..	1	..	2	1
63. Acute Bronchitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
64. Chronic Bronchitis	2	....	..	..	..	..	..	..	..	....	..	1	....	..	..	1	..	....	2	....	1	1	....	1	1	....	..	1	..	..	..	..	..	..	..	1	..
66. Pneumonia	11	3	..	..	..	..	..	..	..	2	..	1	1	2	1	1	..	5	6	....	5	6	....	6	5	....	1	3	..	2	3	1	..	..	..	..	1
67. Pleurisy	3	....	..	..	1	..	..	..	..	....	1	..	....	1	..	..	..	2	1	....	2	1	....	1	2	....	..	..	1	1	..	..	..	..	..	1	..
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
69. Gangrene of Lungs	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	24	6	..	1	..	..	2	..	..	1	2	2	1	5	3	1	..	18	6	....	16	8	....	12	11	1	..	1	1	4	..	1	1	3	3	3	4	3
77. Gastritis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	2	....	..	..	..	..	..	..	..	....	..	1	..	1	..	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	1	..	..	..	1	..	..
80. Diarrhœa and Enteritis (under 2 years)	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	1	....	5	....	....	5	....	....	..	..	..	..	..	..	..	2	1	..	2	..
81. Diarrhœa and Enteritis (2 years and over)	2	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	1	..	..	..	..	..	..	..	..
83. Obstruction of Intestines	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	2	....	....	....	2	....	....	2	....	..	..	..	..	..	..	..	2	..	..	..	..
84. Other Diseases of Intestines	3	1	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	2	1	....	2	1	....	2	1	....	..	..	..	1	..	..	..	..	1	1	..
87. Cirrhosis of Liver	2	....	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	....	....	....	1	1	....	....	2	....	..	..	..	1	..	..	..	..	1	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	1
92. Appendicitis	6	....	..	1	..	2	..	..	..	1	..	..	1	1	..	..	..	5	1	....	5	1	....	4	2	....	..	1	1	..	..	..	..	1	..	..	1	2
VI.—Diseases of Genito-Urinary System.																																						
Group Total	11	....	..	..	..	..	..	..	..	2	2	..	1	5	1	..	..	7	4	....	5	6	....	2	9	....	..	2	1	..	1	..	1	1	1	1	2	1
94. Acute Nephritis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
95. Bright's Disease	5	....	..	..	..	..	..	..	..	....	..	..	1	3	1	..	..	4	1	....	3	2	....	2	3	....	..	1	..	..	1	..	..	..	..	1	1	1

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CAUSES OF DEATH BY CITIES—IN STRATFORD, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																				
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	171	41	.....	1	3	1	3	1	2	12	13	14	13	14	20	28	5	83	88	.....	76	45	50	76	90	5	12	23	7	7	23	18	18	13	12	17	12	9
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	9	1	..	..	..	..	..	1	..	...	1	..	1	1	2	2	..	4	5	....	4	4	1	5	4	....	2	2	1	..	1	..	1	..	..	1	1	..
1. Typhoid Fever	2	....	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	1	1	..
7. Diphtheria and Croup	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	....	1	....	....	....	1	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
8. Influenza	6	1	..	..	..	..	..	..	..	....	..	..	1	1	1	2	..	3	3	....	3	3	....	4	2	....	2	2	1	..	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	25	....	..	..	..	..	..	..	..	9	3	3	4	3	2	1	..	9	16	....	11	5	9	5	20	....	2	3	1	1	6	2	2	1	..	1	3	3
12. Septicæmia	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
13. Tuberculosis of Lungs	9	....	..	..	..	..	..	..	..	7	1	1	....	..	..	..	..	3	6	....	5	2	2	2	7	....	..	1	1	1	3	..	1	..	..	2	..
25. Cancer of Stomach and Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
30. Cancer of other Unspecified Organs	6	....	..	..	..	..	..	..	..	....	1	1	1	1	1	1	..	2	4	....	....	2	4	1	5	....	..	1	..	..	..	1	1	1	..	..	..	2
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	2	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	1	1	....	1	....	1	1	1	....	1	1	..	..	..	..	..	..	..	..	..	..
37. Other General Diseases	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	....	2	....	2	....	....	....	2	....	..	..	..	..	1	..	..	..	1	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	17	2	..	..	2	..	1	..	..	....	1	3	....	3	1	3	1	8	9	....	5	3	9	7	10	....	..	2	..	..	2	1	4	4	1	2	..	1
39. Meningitis	3	....	..	..	2	..	..	..	..	....	..	..	....	..	1	..	..	1	2	....	....	1	2	2	1	....	..	..	..	..	1	1	..	1	..	..	..	..
42. Apoplexy	7	....	..	..	..	..	..	..	..	....	..	1	....	3	..	3	..	4	3	....	1	1	5	1	6	....	..	..	..	..	1	..	2	1	..	2	..	1
44. Paralysis	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
49. Convulsions	4	2	..	..	..	..	..	..	..	....	1	..	....	..	..	..	1	1	3	....	2	....	2	3	1	....	..	1	..	..	..	..	1	2	..	..	..	..
50. Tetanus	1	....	..	..	..	..	1	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	6	....	..	..	..	..	..	1	..	1	..	1	....	1	1	1	..	5	1	....	2	3	1	3	3	....	2	..	..	..	..	1	1	..	..	..	1	1	..
53. Endocarditis	5	....	..	..	..	..	..	1	..	1	..	1	....	1	1	..	..	4	1	....	2	3	....	2	3	....	2	..	..	..	..	1	1	..	..	..	1	..	..
56. Diseases of Arteries	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	....	1	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
119. XII.—Old Age.																																						
Group Total	20	....	..	..	..	..	..	..	..	....	..	..	....	..	4	16	..	6	14	....	....	9	11	1	19	....	1	4	1	1	1	1	3	1	4	2	1	..
XIII.—Violence and other External Causes.																																						
Group Total	6	....	..	..	..	..	1	..	1	....	..	1	2	..	..	..	1	4	2	....	1	1	4	3	1	2	..	..	1	..	2	..	..	..	1	..	2	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	1	1	....	....	....	....	1	....	1	....	....	....	....	....	1	..	..	....	....	....	....	....
124. Drowning	3	....	..	..	..	..	1	..	1	....	..	..	1	..	..	..	..	2	1	....	....	1	2	2	1	....	....	....	....	1	..	..	....	....	....	....	....
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	..	1	....	....	1	....	....	....	....	....	....	1	..	..	....	....	....	....	....
127. Other Accidental Traumatisms	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	....	1	....	1	....	....	....	....	....	....	..	..	....	1	....	....	....
XIV.—Ill-Defined Diseases.																																						
Group Total	19	2	..	..	..	..	..	..	..	....	2	4	2	1	4	2	2	7	12	....	7	4	8	7	9	3	2	1	2	1	3	4	2	2	1	..	..	1
130. Dropsy	2	....	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	2	....	....	....	1	1	1	1	....	....	....	....	....	1	..	1	..	....	....	....	....
131. Heart Failure	11	1	..	..	..	..	..	..	..	....	1	3	1	..	4	1	..	4	7	....	4	2	5	5	7	1	2	..	1	1	..	4	1	1	....	....	....	1
132. Other ill-defined causes	2	1	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	2	....	2	....	....	2	....	....	....	....	....	1	..	1	..	....	....	....	....	....
133. Unknown causes	4	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	2	1	3	....	1	1	2	1	1	2	..	1	..	..	1	..	..	1	1	..	..	..
134. XV.—Still Births.																																						
Group Total	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	3	....	5	....	....	5	....	....	1	..	..	1	1	..	..	..	..	2	..	..

CAUSES OF DEATH BY CITIES—IN ST. THOMAS, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	244	62	8	2	1	2	3	4	9	16	7	12	22	30	33	31	2	116	128	.....	150	89	5	122	121	1	22	27	23	16	31	13	19	18	15	23	20	17
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	17	2	1	..	1	..	..	1	2	4	..	..	....	1	1	1	..	11	6	....	13	4	....	12	5	....	4	2	1	..	..	..	..	1	1	4	3	1
1. Typhoid Fever	7	....	..	..	..	..	..	1	2	4	..	..	....	..	..	..	..	5	2	....	6	1	....	6	1	....	..	..	..	..	..	..	..	1	..	3	2	1
6. Whooping Cough	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..	..
7. Diphtheria and Croup	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..
8. Influenza	5	....	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	3	2	....	4	1	....	1	4	....	1	2	1	..	..	..	..	..	..	..	..	..	..
9. Dysentery	2	....	1	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	1	....	....	2	....	2	....	....	1	..	..	..	..	..	..	..	1	..	..	1	..
10. Erysipelas	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..

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ST. THOMAS.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
109. Gangreno	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	..	1	....	1	...	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
IX.—Diseases of Locomotor System.																																						
Group Total	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
113. Diseases of the Bones	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
XI.—Early Infancy.																																						
Group Total	16	16	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	12	....	16	....	....	16	....	....	1	2	2	..	3	1	2	..	1	2	..	2
117. Premature Birth	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	1	..	1	..	..	..
118. Congenital Debility	14	14	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	11	....	14	....	....	14	....	....	1	2	2	..	3	1	1	..	..	2	..	2
119. XII.—Old Age.																																						
Group Total	21	....	..	..	..	..	..	..	..	....	..	..	....	..	5	16	..	4	17	....	4	14	3	3	18	....	1	4	4	..	3	1	4	1	2	..	1	..
XIII.—Violence and other External Causes.																																						
Group Total	17	1	..	..	..	..	..	..	1	3	2	..	4	1	4	1	..	14	3	...	5	12	....	6	11	....	4	1	1	2	1	1	1	3	1	1	..	1
121. Fractures and Dislocations	2	....	..	..	..	..	..	..	..	....	1	..	....	..	..	1	..	2	....	....	1	1	....	1	1	....	..	..	..	..	1	..	..	1	..	..	..	..
125. Inhalation of Poisonous Gases	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	14	1	..	..	..	..	..	..	1	2	1	..	4	1	4	..	..	11	3	....	3	11	....	5	9	....	4	1	..	2	..	1	1	2	1	1	..	1
XIV.—Ill-Defined Diseases.																																						
Group Total	23	3	..	1	..	..	..	..	..	1	..	2	1	4	2	7	2	14	9	....	12	10	1	6	16	1	..	4	2	..	2	3	1	1	2	1	2	5
130. Dropsy	4	....	..	..	..	..	..	..	..	....	..	2	....	..	..	1	1	3	1	....	3	1	....	1	3	....	..	2	2	..	..	..	..	..	..	..	..	..
131. Heart Failure	8	1	..	..	..	..	..	..	..	1	..	..	....	1	1	4	..	5	3	....	5	3	....	2	6	....	..	1	..	..	..	2	1	1	..	1	..	2
132. Other ill-defined causes	3	1	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	2	1	....	1	2	....	1	2	....	..	..	..	..	1	..	..	..	..	..	..	1
133. Unknown causes	8	1	..	1	..	..	..	..	..	....	..	..	1	2	1	1	1	4	4	...	3	4	1	2	5	1	..	..	..	..	1	1	..	2	..	2	2
134. XV.—Still Births.																																						
Group Total	14	14	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	10	....	14	....	....	14	....	....	1	2	2	..	1	2	2	2	..	..	2	..

CAUSES OF DEATH BY CITIES—IN TORONTO, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	4676	1535	178	79	46	58	119	74	96	333	277	307	378	455	426	287	28	2469	2190	17	3146	1374	156	2585	1802	289	461	384	444	392	408	329	394	430	375	393	328	338
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	346	32	31	36	28	29	67	20	13	25	15	6	16	11	7	5	5	191	155	....	252	90	4	279	59	8	34	30	24	24	16	22	43	23	32	39	26	33
1. Typhoid Fever	60	....	..	1	..	..	3	3	11	15	13	4	7	1	..	..	2	34	26	....	29	30	1	31	24	5	7	3	3	6	4	1	10	5	6	8	5	2
5. Scarlet Fever	44	3	4	4	9	6	10	3	..	4	..	..	1	..	..	..	..	23	21	....	33	11	....	39	3	2	9	4	4	1	1	1	7	..	3	2	1	6
6. Whooping Cough	23	11	1	3	..	1	5	2	..	..	..	..	..	..	..	..	..	13	10	....	22	1	....	23	....	....	1	1	..	1	..	3	4	6	2	2	3	..
7. Diphtheria and Croup	169	12	25	26	17	22	45	11	2	5	..	..	1	..	..	..	3	99	70	....	137	31	1	165	3	1	11	10	10	10	11	17	17	8	19	22	13	21
8. Influenza	34	3	..	2	..	..	2	1	..	1	1	1	5	8	5	5	..	14	20	....	22	11	1	13	21	....	5	10	5	5	..	..	1	2	2	..	3	1
9. Dysentery	4	....	1	..	1	..	1	..	..	....	1	..	..	..	..	..	..	2	2	....	3	1	..	3	1	....	..	..	..	..	..	..	2	2	2	..	..	..
10. Erysipelas	11	3	..	..	..	..	1	..	..	....	..	1	2	2	2	..	..	6	5	....	5	5	1	4	7	....	1	2	2	1	..	..	2	..	..	1	2	..
11. Other Epidemic Diseases	1	....	..	..	1	..	..	..	..	....	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
(B.—Other General Diseases.)																																						
Group Total	694	28	19	5	1	5	15	14	33	128	85	94	100	97	51	17	2	306	388	....	139	238	17	280	391	23	59	72	78	13	59	56	74	59	52	46	50	16
12. Septicæmia	40	4	1	..	..	2	3	2	..	7	8	6	2	2	..	2	1	18	22	....	24	15	1	19	21	....	5	7	8	2	3	2	2	2	1	3	3	2
13. Tuberculosis of Lungs	231	9	3	..	1	1	..	3	20	85	38	26	25	16	3	..	1	90	141	....	161	63	4	112	111	8	22	17	30	20	27	23	18	10	15	14	13	22
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
15. Tuberculous Meningitis	30	1	9	2	..	1	4	4	3	2	1	..	....	..	..	..	..	17	13	....	27	3	....	28	1	1	1	6	4	1	2	4	1	5	2	2	2	..
16. Abdominal Tuberculosis	8	....	..	..	..	..	..	..	..	4	2	..	....	1	1	..	..	3	5	....	7	1	....	4	4	....	1	1	..	..	..	1	1	3	1	..	..	..	..
17. Pott's Disease	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..
18. Tuberculous Abscess	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
19. White Swelling	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
20. Tuberculosis of other organs	13	....	1	..	..	..	..	..	..	1	4	3	....	3	..	1	..	5	8	....	8	4	1	4	9	....	..	2	1	3	..	..	4	2	1	..	..	..
21. General Tuberculosis	47	....	2	1	..	..	2	3	4	14	9	6	4	2	..	..	..	22	25	....	35	9	3	25	21	1	1	..	..	..	1	..	10	8	8	4	10	5
22. Scrofula	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	..	1	..	..	..	..	..	..	..	..	..	..
23. Venereal Diseases	5	2	2	..	..	..	..	..	..	....	1	..	....	..	..	..	..	3	2	....	5	....	....	4	1	....	..	2	..	..	..	..	1	1	..	1	..	..
25. Cancer of Stomach and Liver	64	....	..	..	..	..	..	..	..	....	5	6	26	18	8	1	..	30	34	....	33	38	3	13	50	1	6	8	9	2	6	3	5	9	6	5	..	5
26. Cancer of Intestines	18	....	..	..	..	..	..	..	..	....	1	2	1	5	8	1	..	7	11	....	5	11	2	1	15	....	..	3	1	1	..	2	2	3	2	1	2	1
27. Cancer of Genital Organs	26	....	..	..	..	..	..	..	..	....	2	5	8	4	4	3	..	3	23	....	15	10	1	6	17	3	3	4	3	1	1	1	1	2	3	1	3	3
28. Cancer of Breast	11	....	..	..	..	..	..	..	..	....	1	2	1	4	2	1	..	....	11	....	5	6	....	2	9	....	..	1	1	1	..	..	2	2	2	1	1	..
29. Cancer of Skin	3	....	..	..	..	..	..	..	..	....	..	1	....	..	1	..	..	1	2	....	2	1	....	....	3	....	..	..	..	..	..	1	..	..	1	..	1	..
30. Cancer of other Unspecified Organs	81	....	..	..	..	..	2	....	..	5	2	15	18	26	9	4	..	37	44	....	43	36	2	16	61	4	1	7	5	6	9	10	17	3	4	5	7	4
31. Tumors	13	1	..	..	..	..	..	..	1	1	2	4	2	..	2	..	..	9	4	....	8	5	....	6	7	....	1	1	..	..	..	..	2	1	..	..	1	..
32. Rheumatism	16	....	..	1	..	..	1	..	4	3	1	3	1	1	1	..	..	10	6	....	10	6	....	10	6	1	4	2	..	..	..	..	..	1	..	..	..	..
33. Diabetes	21	1	..	..	..	..	1	3	..	1	..	1	2	8	3	1	..	12	9	....	14	7	....	6	15	....	2	4	4	1	1	2	2	1	..	..	3	1

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
34. Anæmia, Leukæmia	39	2	..	..	..	..	..	2	1	2	5	4	7	7	8	1	..	23	16	....	25	14	....	11	27	1	5	3	6	2	7	2	5	2	2	2	2	1
35. Alcoholism	9	..	..	..	..	..	..	..	..	1	2	5	1	..	..	..	..	8	1	....	7	2	....	2	7	....	..	1	2	..	..	1	2	1	1	..	1	..
36. Chronic Poisonings	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	1	....	..	2	....	..	2	....	1	1	..	..	..	..	..	..	..	..	..	..	..
37. Other General Diseases	10	2	1	1	..	..	..	..	..	1	..	2	2	..	..	1	..	3	7	....	7	3	....	7	3	....	2	1	1	1	..	1	1	1	..	2	..	..
II.—Diseases of Nervous System.																																						
Group Total	**537**	105	59	17	6	9	7	4	5	19	25	28	48	79	87	38	1	316	221	....	320	198	19	251	269	17	19	42	50	18	47	35	29	49	52	47	40	49
38. Encephalitis	3	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	1	2	....	..	2	1	1	2	....	..	..	..	..	..	1	..	1	1	..	..	..
39. Meningitis	81	23	20	7	3	4	4	2	1	8	4	2	1	1	..	1	..	16	35	....	66	13	2	70	11	..	5	5	10	11	8	6	..	6	10	10	..	10
40. Locomotor Ataxia	3	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	3	..	..	2	1	....	2	1	..	..	..	..	..	..	1	2	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	20	1	1	..	..	..	..	..	1	1	..	3	2	6	4	1	..	12	8	....	11	8	1	4	15	1	2	1	3	2	1	1	3	3	1	1	1	1
42. Apoplexy	134	4	..	1	..	..	..	..	..	..	5	4	19	37	43	21	..	77	57	....	47	74	13	15	114	5	15	11	9	15	20	14	8	8	5	4	15	10
43. Softening of Brain	6	..	..	..	..	..	..	..	..	..	1	1	..	..	1	3	..	4	2	....	1	5	....	..	6	....	1	..	..	..	..	..	..	..	1	..	2	2
44. Paralysis	85	..	1	2	1	1	2	..	1	..	5	6	12	23	22	9	..	54	31	....	33	51	1	12	67	6	13	6	7	5	3	5	6	7	6	8	9	10
45. General Paralysis of Insane	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2	..	..	..	1	1	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	1
46. Other Forms of Mental Disease	5	..	1	..	..	..	..	..	..	..	..	..	3	1	..	..	..	4	1	....	3	2	....	3	2	....	..	..	..	..	..	..	1	1	1	..	1	..
47. Other Diseases of Brain	17	1	..	..	..	..	..	..	..	..	2	1	2	8	3	..	..	12	5	....	8	9	....	6	10	1	..	..	..	..	..	..	1	..	7	4	5	2
48. Epilepsy	15	1	..	..	..	..	..	..	2	2	4	2	..	1	3	..	..	6	9	....	8	7	....	8	7	....	..	..	..	2	3	..	..	4	2	..	2	2
49. Convulsions	128	72	31	6	1	3	1	1	..	3	3	3	..	..	4	..	..	68	60	....	119	9	....	116	9	3	10	15	18	11	12	6	7	13	16	11	3	6
50. Tetanus	2	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	2	..	..	..	2	....	2	..	....	1	..	..	..	..	..	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	36	3	5	1	1	1	..	1	..	3	1	1	9	2	7	1	..	25	11	....	22	14	....	14	21	1	2	3	3	2	..	1	2	3	10	6	2	2
III.—Diseases of Circulatory System.																																						
Group Total	**463**	42	2	1	..	1	10	8	10	31	31	43	59	97	81	43	4	247	216	....	223	220	20	140	290	33	35	36	12	10	13	39	31	44	28	37	35	53
52. Pericarditis	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	1	1	....	..	1	1	2	..	..	..	..	..	1	1	..	..	..	..	..	..	..
53. Endocarditis	31	2	..	..	..	..	2	2	5	6	2	1	2	4	3	2	..	12	19	....	17	14	....	16	13	2	4	2	5	4	1	1	3	3	1	..	..	..
54. Heart Disease	323	31	1	1	..	1	6	5	5	22	24	30	43	74	53	24	3	166	157	....	161	147	15	98	196	29	30	28	25	27	31	30	23	27	19	26	23	24
55. Angina Pectoris	13	..	..	..	..	..	..	..	..	1	1	1	3	3	3	1	..	8	5	....	6	7	....	..	13	..	..	1	1	..	..	2	..	4	..	..	2	3
56. Disease of Arteries	58	..	..	..	..	..	..	..	..	..	..	4	5	14	20	14	1	43	15	....	17	38	3	6	50	2	1	3	5	4	5	2	3	6	5	8	6	10
57. Embolism and Thrombosis	14	..	..	..	..	..	..	..	..	..	1	3	5	2	1	2	..	6	8	....	8	5	1	3	11	..	..	..	2	..	2	..	1	..	3	3	..	1
58. Diseases of Veins	2	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	2	..	..	..	2	....	2	..	..	..	1	..	..	..	..	..	..	..	..	..	1
60. Other Diseases of Circulatory System	20	9	1	..	..	..	1	..	1	2	4	1	..	1	..	..	..	9	11	....	14	6	....	13	7	....	..	1	3	2	3	2	1	4	..	..	3	1
IV.—Diseases of Respiratory System.																																						
Group Total	**564**	143	34	11	6	6	2	2	11	39	22	44	50	59	88	44	3	294	270	....	330	205	29	189	265	110	93	71	83	68	62	29	15	21	26	32	27	37
61. Diseases of Larynx	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
62. Diseases of the Thyroid Body	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	....	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
63. Acute Bronchitis	60	29	5	..	..	..	..	..	1	..	..	1	2	1	11	10	..	29	31	....	40	18	2	33	21	16	13	9	7	8	6	2	2	2	3	2	2	2
64. Chronic Bronchitis	26	1	..	1	..	..	..	..	..	1	..	1	1	9	6	6	..	9	17	....	9	16	1	3	23	..	2	2	6	2	2	3	..	1	4	1	2	3	..
65. Broncho-Pneumonia	128	70	17	4	1	1	..	..	..	3	1	..	4	4	15	5	..	63	65	....	99	23	6	61	27	40	12	19	21	26	14	10	..	3	6	5	5	7
66. Pneumonia	303	40	12	6	1	5	2	2	8	29	20	33	37	36	48	21	3	170	133	....	159	125	19	91	161	48	62	39	41	29	33	13	11	8	9	21	12	25
67. Pleurisy	12	..	..	..	..	..	..	1	..	3	1	3	2	2	..	..	..	5	7	....	7	4	1	1	9	2	..	1	3	..	..	1	3	..	..	..	..	2	2
68. Congestion of Lungs	12	3	..	..	1	..	..	..	..	2	..	1	....	3	2	..	..	7	5	....	7	5	....	7	4	1	1	..	3	1	2	..	..	..	2	1	1	1
69. Gangrene of Lungs	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
70. Asthma and Emphysema	10	..	..	..	..	..	..	..	..	..	..	1	....	3	5	1	..	5	5	....	....	10	....	1	8	1	..	..	1	1	2	1	..	..	2	2	..	1	..
71. Hemorrhage of Lungs	7	..	..	..	..	..	..	..	..	..	..	2	2	1	1	1	..	4	3	....	3	4	....	1	5	1	..	..	..	..	2	..	1	2	2	..	1	..
72. Other Diseases of Respiratory System (Phthisis excepted)	2	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	....	2	..	....	1	1	..	..	..	1	..	..	1	..	..	..	..	..	..

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TORONTO.—Concluded.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IX.—Diseases of Locomotor System.																																						
Group Total	4	....	..	..	..	..	..	..	..	....	2	..	1	..	1	..	..	4	....	....	2	2	....	2	2	....	2	..	..	..	..	..	1	....	1	..	..	..
113. Diseases of the Bones	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	....	1	..	..	..
115. Other Diseases of Locomotor System	3	....	..	..	..	..	..	..	..	....	2	..	1	..	..	..	..	3	1	....	1	2	....	1	2	....	2	..	..	..	..	..	1	....	..	..	..	..
X.—Malformations.																																						
Group Total	30	30	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	10	20	....	30	....	....	30	....	....	10	2	2	2	5	3	1	4	1	..	..	..
116. Congenital Malformations (Still Births excluded)	30	30	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	10	20	....	30	....	....	30	....	....	10	2	2	2	5	3	1	4	1	..	..	..
XI.—Early Infancy.																																						
Group Total	376	376	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	211	159	6	376	....	....	376	....	....	38	31	42	34	43	31	34	25	28	21	25	24
117. Premature Birth	168	168	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	98	66	4	168	....	....	168	....	....	20	15	16	13	13	12	17	11	14	13	12	12
118. Congenital Debility	208	208	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	113	93	2	208	....	....	208	....	....	18	16	26	21	30	19	17	14	14	8	13	12
119. XII.—Old Age.																																						
Group Total	151	....	..	..	..	..	..	..	..	....	..	..	....	19	46	86	..	60	91	....	25	113	13	16	118	17	18	19	14	10	17	12	15	11	10	10	10	5
XIII.—Violence and other External Causes.																																						
Group Total	172	11	4	3	4	4	3	12	7	23	31	23	17	9	8	8	5	130	41	1	100	59	13	93	60	19	14	4	9	16	22	14	23	11	22	8	23	6
120. Suicides	3	....	..	..	..	..	..	..	..	1	1	1	....	..	..	..	..	....	3	....	....	3	....	2	1	....	..	..	1	..	..	..	2	..	..	..	..	..
121. Fractures and Dislocations	26	....	..	..	..	..	..	2	1	3	6	5	1	..	2	6	..	18	8	....	14	11	1	11	14	1	1	3	1	3	2	2	2	1	2	1	5	..
122. Burns and Scalds	16	2	..	1	3	2	1	1	1	3	1	..	1	..	..	..	..	9	7	....	12	3	1	10	3	3	3	..	..	1	2	..	2	1	1	2	4	..
124. Drowning	26	....	..	..	..	1	2	3	2	6	5	2	2	1	..	..	2	24	2	....	15	8	3	17	7	2	..	..	..	..	1	6	9	4	5	1	..	..
125. Inhalation of Poisonous Gases	10	....	..	..	..	..	..	..	..	1	..	4	1	2	1	..	1	8	2	....	4	4	2	2	6	2	..	..	..	1	2	..	1	..	..	1	1	..
126. Other Accidental Poisonings	20	1	..	..	1	1	..	..	..	3	4	3	4	2	..	..	1	13	7	....	12	7	1	9	8	3	2	..	..	2	4	..	2	1	3	1	3	2
127. Other Accidental Traumatisms	63	....	4	2	..	..	..	6	3	6	14	8	8	4	5	2	1	56	7	....	35	23	5	34	21	8	4	1	6	7	12	5	6	1	10	2	5	4
128. Injuries at Birth	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	5	1	8	....	....	8	....	....	4	....	..	1	1	..	..	..	..	..	2	..
XIV.—Ill-Defined Diseases.																																						
Group Total	227	122	6	..	..	1	1	3	3	11	6	13	18	16	10	12	5	106	119	2	168	52	7	156	62	9	21	12	18	16	14	15	19	28	28	29	15	12
130. Dropsy	4	1	..	..	..	..	..	..	..	1	..	..	....	..	1	1	..	2	2	....	3	1	....	3	1	....	1	..	..	..	..	..	1	1	..	..	1	..
131. Heart Failure	80	13	..	..	..	..	1	..	1	4	5	10	13	11	8	11	3	37	43	....	37	40	3	30	45	5	13	5	6	9	5	6	6	8	..	11	7	4
132. Other ill-defined causes	143	108	6	..	..	1	..	3	1	7	1	3	5	4	1	1	2	67	74	2	128	11	4	123	16	4	7	7	12	7	9	8	12	20	28	17	8	8
134. XV.—Still Births.																																						
Group Total	320	320	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	186	126	8	320	....	....	320	....	....	29	30	28	32	24	23	35	26	18	32	24	19

CAUSES OF DEATH BY CITIES—IN WEST TORONTO, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	195	83	7	6	2	..	2	1	6	16	14	15	14	12	10	7	..	98	97	..	165	29	1	120	74	1	22	14	17	15	22	15	17	15	14	17	13	14
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	17	1	1	1	..	..	2	1	2	2	..	1	3	3	..	..	..	3	14	....	14	3	....	8	9	....	1	..	3	..	2	2	3	1	1	2	2	..
1. Typhoid Fever	12	....	..	..	..	..	1	1	2	2	..	1	3	2	..	..	..	1	11	....	9	3	....	4	8	....	..	..	1	..	1	2	2	1	1	2	2	..
5. Scarlet Fever	2	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	..	....	2	....	....	2	....	....	1	..	1	..	..	..	..	..	..	..	..	..
6. Whooping Cough	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
7. Diphtheria and Croup	1	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
8. Influenza	1	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	28	1	1	1	..	..	..	..	2	5	5	6	3	3	..	1	..	12	16	....	21	7	....	12	16	....	1	1	3	4	2	2	1	..	5	5	1	3
13. Tuberculosis of Lungs	13	....	..	..	..	..	..	..	1	4	4	2	1	1	..	..	..	6	7	....	8	5	....	6	7	....	1	1	1	2	..	1	1	..	2	3	..	1
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
15. Tuberculous Meningitis	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	....	2	....	....	2	....	....	..	..	..	..	1	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	..	1	1	1	1	..	..	..	....	4	....	4	....	....	1	3	....	..	..	..	1	1	..	..	..	1	..	..	1
26. Cancer of Intestines	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
30. Cancer of other Unspecified Organs	4	....	..	..	..	..	..	..	..	..	..	1	1	1	..	1	..	2	2	....	3	1	....	....	4	....	..	..	..	1	1	..	..	..	1	1	..	..
32. Rheumatism	1	....	..	..	..	..	..	..	1	....	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	22	12	..	1	2	..	..	..	..	....	1	1	....	2	1	2	..	12	10	....	19	3	....	16	6	....	1	..	3	2	3	2	3	1	1	3	1	2
38. Encephalitis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
39. Meningitis	4	3	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	2	2	....	4	....	....	4	....	....	1	..	..	..	..	..	..	1	..	1	..	1
42. Apoplexy	4	....	..	..	..	..	..	..	..	....	..	1	....	2	..	1	..	1	3	....	2	2	....	1	3	....	..	..	..	1	..	1	..	..	..	1	1	..
44. Paralysis	2	....	..	..	..	..	..	..	..	....	..	..	....	..	1	1	..	2	..	....	1	1	....	....	2	....	..	..	..	1	..	..	..	..	..	1	..	..
49. Convulsions	10	8	1	..	1	..	..	..	..	....	..	..	....	..	..	..	..	5	5	....	10	....	....	10	....	....	..	..	1	..	..	..	..	..	..	..	..	1
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	..	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

WEST TORONTO.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
III.—Diseases of Circulatory System.																																						
Group Total	13	..	..	..	..	..	..	..	..	4	2	3	1	1	2	..	..	6	7	....	7	6	....	2	11	....	2	..	2	3	1	1	1	..	1	..	1	1
53. Endocarditis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
54. Heart Disease	8	..	..	..	..	..	..	..	..	3	1	2	1	1	..	..	..	2	6	....	5	3	....	1	7	....	1	..	1	2	..	1	1	..	1	..	1	..
55. Angina Pectoris	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
56. Disease of Arteries	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
57. Embolism and Thrombosis	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																					
Group Total	25	9	2	1	..	..	..	..	..	1	3	1	5	1	1	1	..	13	12	....	20	5	....	13	12	....	6	2	2	1	5	2	..	3	..	1	1	2
61. Diseases of Larynx	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
62. Diseases of the Thyroid Body	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
63. Acute Bronchitis	2	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	2	..	..	1	1	..	..	..	..	1	..	1	..	..	..	..	..	..
66. Pneumonia	13	4	1	..	..	..	..	..	..	..	3	1	3	1	..	..	..	7	6	....	10	3	....	6	7	....	3	2	2	..	3	1	..	..	..	1	..	1
67. Pleurisy	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
68. Congestion of Lungs	6	3	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	4	2	....	5	1	....	5	1	....	1	..	..	..	1	..	..	3	..	..	..	1
72. Other Diseases of Respiratory System (Phthisis excepted)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																					
Group Total	19	13	2	..	..	..	..	..	..	1	..	1	..	2	..	..	..	9	10	....	18	1	....	16	3	....	..	1	..	1	4	1	3	2	1	2	2	2
78. Other Diseases of the Stomach	12	10	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	5	....	12	..	..	12	..	..	..	..	..	1	2	1	2	2	1	2	1	..
80. Diarrhœa and Enteritis (under 2 years)	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	....	3	..	..	3	..	..	..	1	..	..	1	..	..	..	..	..	..	1
83. Obstruction of Intestines	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
84. Other Diseases of Intestines	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
89. Other Diseases of Liver	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..
91. Peritonitis, Non-Puerperal	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																					
Group Total	3	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	3	..	..	3	..	..	..	3	..	1	..	1	..	1	..	..	..	..	..	..	..
95. Bright's Disease	2	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	2	..	..	2	..	..	..	2	..	1	..	1	..	..	..	..	..	..	..	..	..
98. Diseases of Bladder	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
VII.—The Puerperal State.																																					
Group Total	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..	..	..	2	..	1	..	..	..	1	..	..	..	..	..	..	..
108. Other causes incident to Childbirth	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..	..	..	2	..	1	..	..	..	1	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																					
Group Total	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
109. Gangrene	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..

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CAUSES OF DEATH BY CITIES—IN WINDSOR, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	241	67		12	4	3	3	5	1	6	15	12	18	19	35	33	8	....	127	114	.....	148	86	7	124	101	16	18	16	30	18	25	18	13	18	28	17	30	10
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	18	....		3	1	2	1	1	..	..	2	4	1	1	2	..	1	..	12	7	....	15	4	....	12	7	....	2	2	4	1	1	..	..	..	3	1	5	..
1. Typhoid Fever	10	....		..	..	1	..	..	..	..	2	4	1	1	1	..	..	..	9	1	....	8	2	....	6	4	....	..	..	..	1	1	1	..	..	3	1	3	..
5. Scarlet Fever	1	....		..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	3	1	....	1	..	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	4	....		1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	3	1	....	4	..	....	4	..	....	1	..	2	1	..	..	..	..	..	..	2	..	..
8. Influenza	4	....	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	4	....	2	2	....	1	3	....	..	2	2	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																							
Group Total	36	....		2	..	..	1	1	..	3	4	4	6	4	9	2	..	..	16	20	....	20	15	1	11	25	....	2	2	6	2	5	3	1	1	3	3	6	2
12. Septicæmia	2	....		..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	....	2	..	....	1	1	....	..	1	..	..	1	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	13	....		2	..	..	..	1	..	2	3	2	3	1	1	..	..	..	6	7	....	3	5	1	6	7	....	2	..	2	1	3	..	..	1	..	1	..
15. Tuberculous Meningitis	3	....		2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	2	....	3	..	....	3	..	....	..	..	2	..	2	..	..	..	..	..	1	..
25. Cancer of Stomach and Liver	5	....		..	..	..	..	..	..	..	..	1	..	1	2	1	..	..	3	2	....	2	3	....	..	5	....	..	..	..	1	..	1	..	1	1	1	..
26. Cancer of Intestines	1	....		..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	....	..	1	....	..	1	....	..	..	..	..	..	..	..	..	..	1	..	..
27. Cancer of Genital Organs	2	....		..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	....	1	1	....	..	2	....	..	..	..	1	..	..	..	..	..	..	1	..
28. Cancer of Breast	1	....		..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	2	....	..	1	....	..	1	....	..	..	..	..	1	..	..	..	..	..	..	..
29. Cancer of Skin	1	....		..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	..	1	....	..	1	....	..	..	..	..	..	..	..	..	..	1	..	..
30. Cancer of other Unspecified Organs	3	....		..	..	..	..	..	..	..	..	1	1	....	1	..	..	..	1	2	....	3	..	....	..	..	....	..	..	..	..	1	..	1	..	..	..	2	1
32. Rheumatism	2	....		..	..	..	..	..	..	..	..	1	..	....	1	..	..	..	1	1	....	1	1	....	..	2	....	..	..	..	..	..	..	..	..	..	2	..	..
33. Diabetes	2	....		..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	....	..	2	....	..	..	....	..	..	..	..	..	..	1	..	..	..	..	1
34. Anæmia, Leukæmia	1	....		..	..	..	..	..	..	..	..	1	..	....	..	..	..	..	1	..	....	1	..	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																							
Group Total	15	3		2	..	..	..	2	..	1	1	1	1	1	2	1	..	..	7	8	....	12	2	1	9	6	....	1	..	2	..	2	1	..	1	3	2	1	2
39. Meningitis	5	....		2	..	..	..	2	..	1	....	..	..	..	..	..	..	..	3	2	....	5	....	....	5	....	....	....	..	1	..	1	1	..	..	1	..	..	1
42. Apoplexy	1	....		..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	....	1	....	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..	..	..	1
43. Softening of Brain	1	....		..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
44. Paralysis	1	....		..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
46. Other Forms of Mental Disease	1	....		..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..
48. Epilepsy	1	....		..	..	..	..	..	..	..	..	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
49. Convulsions	3	3		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	....	3	....	....	3	....	....	....	..	..	1	..	..	..	..	..	..	1	1	..
51. Other Diseases of Nervous System	2	....		..	..	..	..	..	..	..	..	..	1	....	1	..	..	..	....	2	....	2	....	....	....	2	....	....	..	..	..	..	..	..	1	1	..	..	..	..

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WINDSOR.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
119. XII.—Old Age.																																						
Group Total	14	....	..	..	..	..	..	..	..	....	..	..	....	2	9	3	..	6	8	....	3	10	1	....	12	2	3	1	1	..	2	2	1	1	1	..	2	..
XIII.—Violence and other External Causes.																																						
Group Total	12	....	..	..	..	..	1	..	..	5	..	2	2	..	2	..	..	11	1	....	2	10	....	7	4	1	1	1	..	..	..	2	2	1	3	..	1	1
120. Suicides	3	....	..	..	..	..	..	..	..	2	..	1	....	..	..	..	..	3	....	....	....	3	....	1	2	....	1	..	..	..	..	..	..	1	1	..	..	..
122. Burns and Scalds	2	....	..	..	..	..	1	..	..	....	..	..	....	..	1	..	..	1	1	....	....	2	....	2	....	....	..	..	..	..	..	1	..	..	..	..	1	..
124. Drowning	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	5	....	..	..	..	..	..	..	..	2	..	1	1	..	1	..	..	5	....	....	1	4	....	2	2	1	..	..	..	..	..	1	1	..	2	..	..	1
XIV.—Ill-Defined Diseases.																																						
Group Total	12	2	1	1	..	..	..	..	..	....	..	3	1	2	2	..	..	6	6	....	6	4	2	6	5	1	..	..	3	..	3	..	..	1	..	2	2	1
131. Heart Failure	7	....	..	1	..	..	..	..	..	....	..	2	....	2	2	..	..	2	5	....	2	3	2	2	4	1	..	..	2	..	1	..	..	..	..	2	1	1
132. Other ill-defined causes	5	2	1	..	..	..	..	..	..	....	..	1	1	..	..	..	..	4	1	....	4	1	....	4	1	....	..	..	1	..	2	..	..	1	..	..	1	..
134. XV.—Still Births.																																						
Group Total	17	17	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	12	....	17	....	....	17	....	....	3	..	..	1	..	1	1	3	2	2	4	..

CAUSES OF DEATH BY CITIES—IN WOODSTOCK. 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	126	20	2	3	3	.....	1	1	2	13	5	16	11	17	17	14	.....	66	60	.....	95	29	2	47	78	1	10	6	13	14	14	11	10	8	13	12	8	7
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	6	....	..	..	..	..	..	..	..	1	..	1	1	1	2	..	..	2	4	....	5	1	....	1	5	....	..	..	..	1	..	..	1	1	..	2	1	..
1. Typhoid Fever	3	....	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	1	2	....	3	....	....	1	2	....	..	..	..	..	..	..	1	1	..	..	..	..
9. Dysentery	2	....	..	..	..	..	..	..	..	....	..	..	....	1	1	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	2	..	..
10. Erysipelas	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..

(B.—Other General Diseases.)

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WOODSTOCK.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VI.—Diseases of Genito-Urinary System.																																						
Group Total	4											2			1	1		4			2	2		1	3				1							2		1
95. Bright's Disease	2											2						2			1	1		1	1				1						1		
98. Diseases of Bladder	1															1		1				1			1												1
105. Other Diseases of the Genito-Urinary System	1														1			1			1				1										1		
VII.—The Puerperal State.																																					
Group Total	2									2									2		1	1			2				2								
107. Puerperal Convulsions	1									1									1		1				1				1								
108. Other causes incident to Childbirth	1									1									1			1			1				1								
XI.—Early Infancy.																																					
Group Total	10	10																6	4		10			10					3	1	3	1	1				1
117. Premature Birth	3	3																2	1		3			3					2			1					
118. Congenital Debility	7	7																4	3		7			7					1	1	3		1				1
119. XII.—Old Age.																																					
Group Total	9														1	8		5	4		2	7			9				1	1	1	2		1	2		1	
XIII.—Violence and other External Causes.																																					
Group Total	6				1					1		2		2				5	1		5		1	2	6			1	1	1			1		1			1
124. Drowning	1				1														1		1			1									1				
127. Other Accidental Traumatisms	5									1		2		2				5			4		1	1	4			1	1	1				1			1
XIV.—Ill-Defined Diseases.																																					
Group Total	6		1										1	2	2			4	2		4	2		1	4	1			2			1		1		1	
130. Dropsy	1													1					1			1			1											1	
131. Heart Failure	5		1										1	1	2			4	1		4	1		1	3	1			2			1		1			
134. XV.—Still Births.																																					
Group Total	4	4																1	3		4			4						1	2		1				

CAUSES OF DEATH BY TOWNS—IN BARRIE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	119	30	2	2	.....	.....	.....	5	2	10	8	11	11	11	16	11	.....	72	46	1	79	36	4	58	61	.....	16	11	8	7	9	12	12	8	15	13	3	5
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	5	....	..	..	..	..	..	1	..	2	..	2	....	..	..	..	..	4	1	....	4	1	....	2	3	....	1	1	..	..	..	..	2	..	..	1	..	..
1. Typhoid Fever	5	....	..	..	..	..	..	1	..	2	..	2	....	..	..	..	..	4	1	....	4	1	....	2	3	....	1	1	..	..	..	..	2	..	..	1	..	..
(B.—Other General Diseases.)																																						
Group Total	18	....	..	..	..	..	..	1	..	3	3	4	5	2	..	..	..	7	11	....	11	7	....	5	13	....	3	3	1	2	1	3	2	1	1	1	..	..
13. Tuberculosis of Lungs	7	....	..	..	..	..	..	..	..	2	2	2	1	..	..	..	..	4	3	....	5	2	....	2	5	....	..	1	1	2	1	1	1	..	..	..	..	..
25. Cancer of Stomach and Liver	3	....	..	..	..	..	..	..	..	....	..	1	2	..	..	..	..	2	1	....	3	....	....	....	3	....	1	..	..	..	..	1	..	..	1	..	..	..
30. Cancer of other Unspecified Organs	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	....	2	....	....	2	....	....	2	....	..	..	..	..	..	..	..	1	..	1	..	..
32. Rheumatism	2	....	..	..	..	..	..	1	..	....	..	1	....	..	..	..	..	....	2	....	1	1	....	2	....	....	..	2	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	4	....	..	..	..	..	..	..	..	1	1	..	....	2	..	..	..	1	3	....	3	2	....	1	3	....	2	..	..	..	..	1	1	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	12	1	1	..	..	..	..	1	..	1	2	..	1	1	3	1	..	8	4	....	8	4	....	6	6	....	1	1	2	1	1	1	..	1	2	1	..	1
39. Meningitis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
42. Apoplexy	4	....	..	..	..	..	..	..	..	....	..	..	1	..	2	1	..	2	2	....	2	2	....	1	3	....	1	..	..	..	1	..	..	..	1	..	..	..	1
44. Paralysis	2	....	1	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	1	..	..	..	..	..	..	..	..
49. Convulsions	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
51. Other Diseases of Nervous System	4	....	..	..	..	..	..	1	..	....	2	..	....	..	1	..	..	3	1	....	3	1	....	3	1	....	..	1	..	..	1	..	..	..	1	1	..	..
III.—Diseases of Circulatory System.																																						
Group Total	6	....	..	..	..	..	..	..	..	....	..	1	2	3	..	..	..	5	1	....	2	4	....	1	5	....	..	..	..	..	1	1	..	..	1	2	..	1
54. Heart Disease	5	....	..	..	..	..	..	..	..	....	..	1	2	2	..	..	..	4	1	...	2	3	....	1	4	....	..	..	..	..	..	1	..	..	1	2	..	1
60. Other Diseases of Circulatory System	1	....	..	..	..	..	..	..	..	..	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	9	...	1	1	..	..	..	..	..	....	2	..	....	2	2	1	..	6	3	....	5	4	....	4	5	...	4	..	..	..	2	2	..	..	..	1	..	..
63. Acute Bronchitis	2	....	1	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	1	....	1	1	....	1	1	....	1	..	..	..	..	..	..	..	..	1	..	..
64. Chronic Bronchitis	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	1	1	....	1	1	...	....	2	....	2	..	..	..	..	..	..	..	..	..	..	..

BARRIE.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
65. Broncho-Pneumonia	2	....	..	1	..	..	..	..	..	....	..	..	....	..	..	1	..	1	1	....	1	1	....	2	....	....	..	..	..	..	1	1	..	..	..	..	..
66. Pneumonia	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
67. Pleurisy	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	22	13	..	..	..	..	..	2	1	....	..	1	....	1	3	1	..	11	11	....	19	3	...	16	6	....	1	..	1	3	..	1	2	3	6	4	..	1
78. Other Diseases of the Stomach	3	1	..	..	..	..	..	..	..	....	..	..	....	1	..	1	..	2	1	....	1	2	....	1	2	....	..	..	..	..	..	1	..	..	1	..	..	1
80. Diarrhœa and Enteritis (under 2 years)	12	12	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	7	....	12	....	....	12	....	....	..	..	..	..	..	..	2	2	5	3	..	..
81. Diarrhœa and Enteritis (2 years and over)	2	....	..	..	..	..	..	..	1	....	..	..	....	..	1	..	..	1	1	....	2	....	....	1	1	....	..	..	1	..	..	..	..	..	..	1	..	..
83. Obstruction of Intestines	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	1	....	....	1	....	...	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
88. Biliary Calculi	1	...	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	...	1	....	...	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
92. Appendicitis	2	....	..	..	..	..	..	1	..	....	..	1	....	..	..	..	..	1	1	...	2	....	....	1	1	....	..	..	..	1	..	..	..	1	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	5	....	..	..	..	..	..	..	..	1	..	..	....	1	1	2	..	4	1	....	1	4	....	1	4	....	..	1	..	..	1	1	..	1	..	..	1
95. Bright's Disease	2	....	..	..	..	..	..	..	..	1	..	..	...	1	..	..	..	1	1	....	1	1	....	1	1	....	..	1	..	..	1	..	..	..	..	..	..	..
96. Other Diseases of Kidneys	1	....	..	..	..	..	..	..	..	...	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
98. Diseases of Bladder	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
105. Other Diseases of the Genito-Urinary System	1	...	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	...	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
VII.—The Puerperal State.																																						
Group Total	2	....	..	..	..	..	..	..	..	....	..	2	....	..	..	..	..	....	2	....	1	....	1	....	2	....	..	..	..	..	..	..	1	..	..	..	..	1
106. Puerperal Septicæmia	2	....	..	..	..	..	..	..	..	....	..	2	...	..	..	..	..	....	2	....	1	....	1	....	2	....	..	..	..	..	..	..	1	..	..	..	..	1
IX.—Diseases of Locomotor System.																																						
Group Total	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	. .	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
113. Diseases of the Bones	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	. .	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
X.—Malformations.																																						
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
116. Congenital Malformations (Still Births excluded)	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	2	1	8	....	....	8	....	....	1	..	..	..	2	..	1	1	1	1	..
117. Premature Birth	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	1	1	5	....	....	5	....	....	..	..	..	..	1	..	1	..	1	1	..
118. Congenital Debility	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	1	..	..	..	1	..	..	1	..	..	..

	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
CAUSES OF DEATH.		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	163	50	3	3	2	2	..	3	6	16	3	9	15	14	16	21	..	85	78	..	107	47	9	89	73	1	13	18	13	13	12	11	12	15	12	25	7	12
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	8	1	..	..	2	1	..	1	..	1	1	..	....	1	..	..	..	3	5	....	8	....	....	6	2	....	2	2	1	..	1	..	..	1	..	..	..	1
1. Typhoid Fever	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	2	....	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	..	..	..	1
5. Scarlet Fever	2	....	..	..	1	1	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	2	..	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	2	....	..	..	1	..	..	1	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	1	1	....	1	..	1	..	..	..	..	..	..	..	..	..
10. Erysipelas	2	1	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	2	....	2	....	....	1	1	....	1	..	..	..	1	..	..	..	..	..	..	..
119. XII.—Old Age.																																						
Group Total	13	....	..	..	..	..	..	..	..	....	..	..	....	1	6	6	..	8	5	....	4	8	1	....	13	....	2	2	2	1	..	1	..	..	3	1	1	..
XIII.—Violence and other External Causes.																																						
Group Total	8	....	..	1	..	..	..	..	1	2	1	1	2	..	..	..	..	7	1	....	5	1	2	5	3	....	1	1	..	..	1	..	2	2	..	..	1	..
122. Burns and Scalds	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
124. Drowning	2	....	..	..	..	..	..	1	..	....	..	..	1	..	..	..	..	2	....	....	1	1	....	1	1	....	..	..	..	..	..	..	1	1	..	..	..	..
125. Inhalation of Poisonous Gases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	....	....	1	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
126. Other Accidental Poisonings	1	....	..	1	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	1	..
127. Other Accidental Traumatisms	3	....	..	..	..	..	..	..	..	1	1	1	....	..	..	..	..	2	1	....	2	....	1	2	1	....	1	1	..	..	..	..	..	1	..	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	3	1	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	2	....	3	....	....	2	1	....	..	..	1	..	..	..	1	..	..	1	..	..
130. Dropsy	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
131. Heart Failure	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
132. Other ill-defined causes	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
134. XV.—Still Births.																																						
Group Total	6	6	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	1	....	6	....	....	6	....	....	2	1	1	..	..	2	..	..	..	..	..	..

CAUSES OF DEATH BY TOWNS—IN BERLIN, 1908.

BERLIN.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
(B.—Other General Diseases.)																																						
Group Total	28	....	..	..	..	..	..	2	2	6	..	1	9	3	2	3	..	16	12	....	18	8	2	12	16	....	5	3	3	2	2	1	1	3	2	4	1	1
12. Septicæmia	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	1	1	....	1	1	....	....	2	....	..	1	1	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	9	....	..	..	..	..	..	1	2	5	..	..	1	..	..	..	..	6	3	....	6	2	1	8	1	....	2	..	1	1	..	..	..	2	..	2	1	..
15. Tuberculous Meningitis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
24. Cancer of Mouth	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	....	..	..	3	..	1	..	..	2	2	....	2	2	....	....	4	....	..	1	..	..	1	..	..	1	1	..	..	..
30. Cancer of other Unspecified Organs	5	....	..	..	..	..	..	..	..	....	..	..	1	1	1	2	..	2	3	....	2	3	....	1	4	....	2	1	..	..	..	..	1	..	1	..	..	..
32. Rheumatism	3	....	..	..	..	..	..	1	..	....	..	1	....	..	..	1	..	1	2	....	2	....	1	1	2	....	..	..	..	..	..	..	1	..	1	1	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
37. Other General Diseases	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
II.—Diseases of Nervous System.																																						
Group Total	19	3	1	..	..	..	..	..	2	2	1	2	2	2	2	2	..	12	7	....	11	7	1	11	8	....	1	3	..	2	4	1	..	1	3	1	2	1
39. Meningitis	2	....	..	..	..	..	..	..	1	1	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	1	..	..	..	..	..	1	..	..
42. Apoplexy	5	....	..	..	..	..	..	..	..	....	..	..	....	2	1	2	..	3	2	....	....	5	....	....	5	....	..	2	..	..	2	..	..	1	..	..	..	..
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
44. Paralysis	5	....	..	..	..	..	..	..	..	....	1	1	2	..	1	..	..	2	3	....	3	1	1	3	2	....	..	1	..	..	..	..	..	..	2	1	..	1
48. Epilepsy	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
49. Convulsions	4	3	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	....	....	4	....	....	4	....	....	1	..	..	1	2	..	..	..	..	..	..	..
50. Tetanus	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	5	....	..	..	..	..	..	..	..	....	..	2	1	..	1	1	..	3	2	....	2	1	2	1	4	....	1	..	..	..	..	1	..	1	1	1	..	..
54. Heart Disease	3	....	..	..	..	..	..	..	..	....	..	1	....	..	1	1	..	2	1	....	1	1	1	1	2	....	1	..	..	..	..	..	..	1	1	..	..	..
55. Angina Pectoris	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	....	....	1	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
56. Disease of Arteries	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	1	..	..	..	..	..
IV.—Diseases of Respiratory System.																																						
Group Total	16	5	2	..	..	..	..	..	1	....	1	..	....	4	..	3	..	9	7	....	8	8	....	8	8	....	1	1	..	2	1	5	2	1	1	..	..	2
63. Acute Bronchitis	3	....	..	..	..	..	..	..	..	....	..	..	....	2	..	1	..	1	2	....	....	3	....	....	3	....	..	..	..	..	..	2	1	..	..	..	..	..
65. Broncho-pneumonia	4	3	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	3	....	3	1	....	3	1	....	..	..	..	1	..	1	..	1	..	..	..	1
66. Pneumonia	7	2	2	..	..	..	..	..	1	....	..	..	....	2	..	..	..	6	1	....	5	..	....	5	2	....	1	1	..	1	..	2	1	..	1	..	..	..
68. Congestion of Lungs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
70. Asthma and Emphysema	1	..	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
V.—Diseases of Digestive System.																																						
Group Total	26	13	..	3	..	..	..	..	..	1	..	1	1	1	5	1	..	14	12	....	20	5	1	17	9	....	..	1	3	2	..	..	3	4	2	9	..	2
76. Ulcer of Stomach	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
77. Gastritis	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
78. Other Diseases of the Stomach	4	2	..	1	..	..	..	..	..	....	..	..	....	..	1	..	..	3	1	....	3	1	....	3	1	....	..	..	1	1	..	..	1	..	..	1	..	..
79. Dentition	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
80. Diarrhœa and Enteritis (under 2 years)	9	9	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	3	....	9	....	....	9	....	....	..	1	..	..	..	..	..	2	2	4	..	..
81. Diarrhœa and Enteritis (2 years and over)	4	....	..	2	..	..	..	..	..	....	..	..	....	..	2	..	..	2	2	....	2	1	1	2	2	....	..	..	1	..	..	..	1	2	..	..	..	..

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CAUSES OF DEATH BY TOWNS—IN BROCKVILLE, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	159	43		5	3	1	.....	3	2	6	8	11	8	12	23	23	10	1	89	70	.....	135	23	1	80	77	2	11	12	15	10	16	12	10	26	15	14	6	12
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	12	3		3	2	..	..	..	..	..	1	1	2	....	..	..	..	..	6	6	....	12	....	....	8	4	....	1	2	2	..	1	1	..	3	..	1	..	1
1. Typhoid Fever	4	....		..	..	..	..	..	..	..	1	1	2	....	..	..	..	..	4	....	....	4	....	....	....	4	....	..	..	..	..	1	..	1	..	1	..	1
6. Whooping Cough	5	2	1	2	..	..	..	..	..	..	..	..	..	....	..	..	..	..	2	3	....	5	....	....	5	....	....	..	2	..	1	..	..	2	..	..	..	..
7. Diphtheria and Croup	2	..	2	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	..	2	....	2	....	....	2	....	....	..	2	..	..	..	..	..	..	..	..	..	..
8. Influenza	1	1	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	..	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																							
Group Total	31	....	..	..	..	1	..	1	..	2	5	3	2	3	6	6	2	..	17	14	....	24	7	....	11	19	1	2	..	3	4	..	7	1	3	3	6	..	2
12. Septicæmia	6	....	..	..	..	1	..	..	..	1	1	1	1	....	1	..	..	..	2	4	....	5	1	....	3	3	....	1	..	1	2	..	2	..	..	..	..	..	..
13. Tuberculosis of Lungs	10	....	..	..	..	..	..	..	..	1	3	1	..	..	2	2	1	..	4	6	....	8	2	....	4	6	....	..	..	..	..	..	4	..	1	1	4	..	..
23. Venereal Diseases	1	....	..	..	..	..	..	..	..	..	....	1	..	..	..	..	..	..	1	..	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	..	..	1
25. Cancer of Stomach and Liver	5	....	..	..	..	..	..	..	..	..	1	..	..	..	..	3	1	..	4	1	....	4	1	....	2	3	....	..	..	..	1	..	1	1	2	..	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..
30. Cancer of other unspecified organs	4	....	..	..	..	..	..	..	..	..	..	..	1	....	1	1	1	..	2	2	....	3	1	....	....	4	....	1	..	..	1	..	..	..	..	1	1	..	..
31. Tumors	1	....	..	..	..	..	1	..	..	..	..	..	..	....	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
32. Rheumatism	1	....	..	..	..	..	..	..	..	..	..	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
34. Anæmia, Leukæmia	2	....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	2	....	....	1	1	....	....	2	....	..	..	2	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																							
Group Total	11	1	..	..	..	..	..	1	1	1	..	..	3	2	1	1	..	..	6	5	....	8	3	....	5	6	....	..	4	1	..	1	1	1	1	..	..	1	1
42. Apoplexy	6	....	..	..	..	..	..	1	1	..	..	..	2	1	..	1	..	..	3	3	....	4	2	....	3	3	....	..	2	1	..	..	..	1	1	..	..	..	1
44. Paralysis	2	....	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	2	....	1	1	....	....	2	....	..	..	..	..	..	1	..	..	..	..	1	..
49. Convulsions	1	1	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
50. Tetanus	1	....	..	..	..	..	..	1	..	..	..	..	..	....	..	..	..	..	1	..	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	..	..	..	..	....	1	..	..	..	1	..	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																							
Group Total	21	....	1	..	..	..	..	..	..	1	....	1	..	3	4	8	2	1	13	8	...	19	2	....	6	15	....	3	5	2	..	3	..	1	..	2	2	2	1
53. Endocarditis	1	....	..	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
54. Heart Disease	16	....	..	..	..	..	..	..	1	....	....	1	..	3	3	6	2	..	11	5	....	14	2	....	4	12	....	3	4	1	..	3	..	1	..	1	2	..	1
56. Diseases of Arteries	2	....	..	..	..	..	..	..	..	..	....	..	..	....	..	2	..	..	1	1	....	2	....	....	....	2	....	..	..	1	..	..	..	..	1	..	..	..	..
57. Embolism and Thrombosis	2	....	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	2	..	..

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BROCKVILLE.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XIII.—Violence and other External Causes.																																						
Group Total	6	1	..	..	..	..	..	1	1	....	1	..	....	..	1	1	..	6	....	....	4	2	....	4	2	....	..	..	..	..	..	..	2	3	..	..	1
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
122. Burns and Scalds	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
124. Drowning	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
126. Other Accidental Poisonings	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
127. Other Accidental Traumatisms	1	....	..	..	..	..	..	1	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
128. Injuries at Birth	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	...	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	2	1	..	..	..	..	..	..	..	....	....	..	1	..	..	..	..	1	1	....	2	....	....	2	....	....	1	..	..	..	..	..	1	..	..	..	..	..
131. Heart Failure	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..
132. Other ill-defined causes	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
134. XV.—Still Births.																																						
Group Total	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	3	....	5	....	....	5	....	....	..	..	2	..	..	..	1	2	..	..	..

CAUSES OF DEATH BY TOWNS—IN COLLINGWOOD, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	117	43	4	2	1	1	1	1	4	7	7	5	12	10	9	9	1	61	56	.....	83	28	6	67	49	1	8	10	11	5	5	8	13	12	12	13	10	10
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	8	....	1	..	..	..	..	..	2	3	1	..	1	..	..	..	..	3	5	....	4	2	2	6	2	....	..	..	2	..	..	..	..	..	2	2	..	..
1. Typhoid Fever	5	....	..	..	..	..	..	..	2	2	..	..	1	..	..	..	..	2	3	....	2	1	2	3	2	....	..	..	2	..	..	..	..	..	1	2	..	..
8. Influenza	3	....	1	..	..	..	..	..	..	1	1	..	....	..	..	..	..	1	2	....	2	1	....	3	....	....	..	..	2	..	..	..	..	..	1	..	..	..

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COLLINGWOOD.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
X.—Malformations.																																						
Group Total	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	1	1	..	..	..	..	..	..	..	..	..
116. Congenital Malformations (Still Births excluded)	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	1	1	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	17	17	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	11	6	....	17	....	....	17	....	....	1	1	1	..	..	1	4	1	4	2	1	1
117. Premature Birth	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	..	..	..	..	..	1	1	..	..	1	..	..
118. Congenital Debility	14	14	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	9	5	....	14	....	....	14	....	....	1	1	1	..	..	..	3	1	4	2	..	1
119. XII.—Old Age.																																						
Group Total	4	....	..	..	..	..	..	..	..	....	..	..	....	..	..	4	..	2	2	...	1	2	1	....	4	....	..	1	..	..	..	..	1	..	1	..	1	..
XIII.—Violence and other External Causes.																																						
Group Total	3	....	..	..	..	..	..	..	1	....	1	1	....	..	..	..	..	2	1	....	1	2	....	1	2	....	1	..	..	..	..	1	..	1	..	..	..	..
124. Drowning	2	....	..	..	..	..	..	..	1	....	..	1	....	..	..	..	..	2	....	....	1	1	....	1	1	..	1	..	..	..	..	1	..	..	..	..	..	..
127. Other Accidental Traumatisms	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	9	2	..	..	..	..	..	..	..	....	..	1	1	1	4	..	..	4	5	....	7	1	1	3	6	....	..	..	..	..	..	3	2	1	..	2	1	..
130. Dropsy	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
131. Heart Failure	6	....	..	..	..	..	..	..	..	....	1	..	1	1	3	..	..	3	3	....	4	1	1	1	5	....	..	..	..	..	..	2	1	..	..	2	1	..
133. Unknown causes	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	..	1	1	..	..	..	..
134. XV.—Still Births.																																						
Group Total	13	13	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	6	7	....	13	....	....	13	....	....	2	2	1	1	..	..	..	..	1	2	3	1

CAUSES OF DEATH BY TOWNS—IN CORNWALL, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	166	31		1	5	5	2	4	5	10	11	11	10	18	7	23	21	2	89	77	.....	132	27	7	95	58	13	16	13	11	13	13	12	17	21	12	15	15	8
I.—General Diseases.																																							
(A.—Epidemic Diseases.)																																							
Group Total	18	1	..	3	4	..	1	2	1	1	..	1	1	1	1	1	..	10	8	....	18	....	....	15	3	....	3	2	1	1	..	..	..	1	..	3	5	2
1. Typhoid Fever	7	....	..	..	..	..	1	2	1	1	..	1	1	..	..	..	..	..	3	4	....	7	....	....	6	1	....	2	1	1	..	..	..	..	..	..	3	..
7. Diphtheria and Croup	6	....	..	3	3	..	..	..	..	..	....	..	..	....	..	..	..	..	4	2	....	6	....	....	6	....	....	..	..	..	..	..	..	..	..	2	2	2
8. Influenza	5	1	..	..	1	..	..	..	..	..	....	..	..	....	1	1	1	..	3	2	....	5	....	....	3	2	....	1	1	..	1	..	..	..	1	..	1	..	..
(B.—Other General Diseases.)																																							
Group Total	37	....	..	1	..	..	2	1	5	5	6	6	8	2	1	..	..	15	22	....	30	5	2	19	14	4	4	4	3	3	5	3	3	2	1	7	..	2
12. Septicæmia	1	....	..	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	..	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	21	....	..	1	..	..	1	..	4	3	5	4	3	..	..	..	..	..	9	12	....	18	3	....	13	6	2	1	2	1	3	4	2	3	1	..	2	..	2
15. Tuberculous Meningitis	2	....	..	..	..	..	1	1	..	..	....	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	2	..	..	..	..	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..
20. Tuberculosis of other organs	1	....	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
26. Cancer of Intestines	2	....	..	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	1	....	1	1	....	1	..	..	..	1	..	..	..	..	..	1	..	..
29. Cancer of Skin	1	....	..	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..
30. Cancer of other Unspecified Organs	7	....	..	..	..	..	..	..	..	..	....	1	1	3	2	..	..	..	3	4	....	5	1	1	1	5	1	..	1	1	..	1	..	..	..	1	3	..	..
37. Other General Diseases	1	....	..	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
II.—Diseases of Nervous System.																																							
Group Total	17	....	..	1	..	1	..	..	1	....	....	....	3	2	6	3	..	7	10	....	12	4	1	6	11	....	3	4	1	2	1	1	1	2	..	1	1	..
39. Meningitis	3	....	..	1	..	1	..	..	1	....	....	....	....	..	..	..	..	..	1	2	....	3	....	....	3	....	....	2	..	..	..	..	..	..	..	..	1	..	..
41. Other Diseases of Spinal Cord	2	....	..	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	....	2	....	2	....	....	1	1	....	..	..	..	1	..	1	..	..	..	..	..	..
42. Apoplexy	6	....	..	..	..	..	..	..	..	..	....	..	..	1	..	2	2	..	4	2	....	3	3	....	....	6	....	....	3	1	1	..	..	1	..	..	..	..	..
44. Paralysis	6	....	..	..	..	..	..	..	..	..	....	..	..	1	1	3	1	..	2	4	....	4	1	1	2	4	....	1	1	..	..	1	..	..	2	..	..	1	..
III.—Diseases of Circulatory System.																																							
Group Total	12	....	..	..	..	..	..	..	..	..	....	2	..	2	..	7	1	..	6	6	....	7	5	....	2	10	....	1	..	1	4	2	1	1	..	..	1	..	1
53. Endocarditis	2	....	..	..	..	..	..	..	..	..	....	..	..	....	..	2	2	..	1	1	....	1	1	....	....	2	....	....	..	..	1	..	..	..	..	..	1	..	..
54. Heart Disease	5	....	..	..	..	..	..	..	..	..	..	1	..	1	..	2	1	..	2	3	....	4	1	....	1	4	....	1	..	1	2	..	1	..	..	..	..	..	..
55. Angina Pectoris	1	....	..	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	..	....	....	1	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
56. Diseases of Arteries	2	....	..	..	..	..	..	..	..	..	....	..	..	1	..	1	..	..	1	1	....	....	2	....	....	2	....	....	..	..	..	1	..	1	..	..	..	..	..
60. Other Diseases of Circulatory System	2	....	..	..	..	..	..	..	..	..	....	1	..	....	..	1	..	..	1	1	....	2	....	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	1

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IV.—Diseases of Respiratory System.																																						
Group Total	7	3	..	..	..	1	..	..	1	..	..	..	..	..	1	1	..	5	2	....	4	3	....	4	3	....	1	1	2	..	..	2	1	..	..	..	..
63. Acute Bronchitis	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	1	....	2	1	....	2	1	....	1	..	1	..	..	1	..	..	..	..	..
65. Broncho-Pneumonia	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
66. Pneumonia	2	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..
70. Asthma and Emphysema	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																					
Group Total	15	8	1	..	..	..	..	..	..	1	..	..	3	1	..	1	..	10	5	....	13	2	....	12	1	2	..	..	..	2	..	..	1	5	5	..	2	..
76. Ulcer of Stomach	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	8	7	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	....	8	..	..	8	..	..	..	..	..	..	..	1	5	2	..	..	..
81. Diarrhœa and Enteritis (2 years and over)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..
82. Hernia	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
84. Other Diseases of Intestines	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
91. Peritonitis, Non-Puerperal	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
92. Appendicitis	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
VI.—Diseases of Genito-Urinary System.																																					
Group Total	5	..	..	..	..	..	..	..	..	1	1	1	..	1	1	..	..	3	2	....	5	..	..	2	3	....	..	1	..	..	1	..	1	..	1	..	..
95. Bright's Disease	2	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	..	..	2	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..
96. Other Diseases of Kidneys	2	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	1	..	2	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..
103. Diseases of the Tubes	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
VII.—The Puerperal State.																																					
Group Total	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
106. Puerperal Septicæmia	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																					
Group Total	7	..	..	..	..	1	..	..	..	1	1	1	..	2	1	..	..	6	1	..	6	1	..	2	3	2	..	..	..	1	1	..	2	..	1	..	1	1
109. Gangrene	5	..	..	..	..	..	..	..	..	..	1	1	..	2	1	..	..	5	..	..	4	1	..	1	3	1	..	..	..	1	..	..	2	..	..	..	1	1
111. Abscess	2	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1	1	..	2	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	..
X.—Malformations.																																					
Group Total	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
116. Congenital Malformations (Still Births excluded)	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..

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GALT.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
(B.—Other General Diseases.)																																						
Group Total	23	1	..	..	..	..	..	1	1	5	4	4	3	1	3	..	..	11	12	....	13	8	2	10	13	....	3	1	4	3	1	..	..	1	2	2	1	2
12. Septicæmia	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	8	..	..	..	..	..	..	1	..	5	..	1	1	..	..	..	..	5	3	..	5	3	..	6	2	..	1	1	..	..	1	..	..	3	1	..	1
16. Abdominal Tuberculosis	4	..	..	..	..	..	..	1	..	..	1	2	..	..	..	..	..	..	4	..	2	2	..	1	3	..	..	..	1	..	..	..	..	1	..	1	..	1
24. Cancer of Mouth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
25. Cancer of Stomach and Liver	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	1	..	1	1	..	..	2	..	..	..	..	..	..	..	..	1	1	..	..
30. Cancer of other Unspecified Organs	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
31. Tumors	5	..	..	..	..	..	..	..	..	..	3	..	1	1	..	..	..	1	4	..	2	1	2	2	3	..	1	..	2	2	..	..	..	..	..	..	..
35. Alcoholism	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..
II.—Diseases of Nervous System.																																					
Group Total	8	2	..	..	..	..	..	..	..	..	1	1	3	..	1	..	..	4	4	....	6	1	1	3	5	....	1	..	..	..	2	3	..	..	1	..	1	..
42. Apoplexy	5	..	..	..	..	..	..	..	..	..	..	1	3	..	1	..	..	3	2	..	3	1	1	1	4	..	..	..	..	..	2	1	..	..	1	..	1	..
44. Paralysis	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
49. Convulsions	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	..	..	2	..	..	1	..	..	..	..	1	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																					
Group Total	8	..	..	..	..	..	..	..	..	..	..	..	..	3	3	1	1	4	4	....	2	4	2	1	7	....	..	..	1	1	2	1	1	..	..	1	..	1
54. Heart Disease	7	..	..	..	..	..	..	..	..	..	..	..	..	2	3	1	1	3	4	..	2	3	2	1	6	..	..	..	1	1	2	1	1	..	..	..	..	1
56. Diseases of Arteries	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..
IV.—Diseases of Respiratory System.																																					
Group Total	5	1	..	..	..	..	..	..	..	1	..	..	..	1	1	1	..	2	3	....	1	4	....	2	3	....	..	1	2	1	..	..	..	..	..	..	1	..
65. Broncho-Pneumonia	2	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	1	1	..	1	1	..	..	..	2	..	..	..	..	..	..	..	..	..
66. Pneumonia	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	1	..	..	2	..	..	2	..	..	1	..	1	..	..	..	..	..	..	..	..
68. Congestion of Lungs	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..
V.—Diseases of Digestive System.																																					
Group Total	14	5	1	..	..	..	..	1	2	1	1	1	..	1	1	..	..	7	7	....	10	3	1	10	1	..	..	..	..	1	..	1	2	3	1	3	2	1
80. Diarrhœa and Enteritis (under 2 years)	6	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	..	6	..	..	6	..	..	..	..	..	..	..	..	..	3	1	2	..	..
81. Diarrhœa and Enteritis (2 years and over)	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..
83. Obstruction of Intestines	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
92. Appendicitis	6	..	..	..	..	..	1	2	..	1	1	1	..	..	..	..	..	4	2	..	4	1	1	4	2	..	..	..	..	1	..	1	1	..	1	1	1

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CAUSES OF DEATH BY TOWNS—IN HAWKESBURY, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	109	59	6	3	3	.....	4	.....	3	2	5	2	4	4	5	6	3	59	50	.....	103	5	1	80	28	1	9	10	12	10	8	6	8	13	11	.....	11	3	8
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	15	8	..	1	1	..	1	..	..	..	..	1	1	1	..	..	1	..	7	8	....	15	....	....	10	5	....	..	1	..	1	1	..	2	5	4	..	1	..
1. Typhoid Fever	2	....	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	2	....	....	2	....	....	....	2	....	..	..	..	..	..	..	1	..	..	..	..	..	..
4. Measles	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..	..
6. Whooping Cough	11	7	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	3	6	....	9	....	....	9	....	....	..	..	..	..	..	1	5	3	..	..	..	..	..
7. Diphtheria and Croup	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	....	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
8. Influenza	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Dysentery	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	11	1	1	..	..	..	1	..	2	2	1	1	2	..	..	..	..	3	8	....	11	....	....	6	5	....	2	3	1	2	..	..	1	..	1	..	..	1
12. Septicæmia	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
13. Tuberculosis of Lungs	4	....	..	..	..	..	..	1	2	..	..	..	1	..	..	..	..	..	4	....	4	....	....	2	2	....	..	2	..	..	1	..	1	..	..	..	..	..
15. Tuberculous Meningitis	2	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	....	2	....	....	2	....	....	1	..	..	1	..	..	..	..	..	..	..	..
16. Abdominal Tuberculosis	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..
32. Rheumatism	1	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..	1
34. Anæmia, Leukæmia	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
37. Other General Diseases	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	1	....	....	....	1	....	....	..	..	1	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	6	1	..	1	1	..	..	..	1	..	..	..	..	1	..	1	..	4	2	....	6	....	....	4	2	....	1	1	1	..	1	..	1	..	..	..	..	1
38. Encephalitis	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..	..
39. Meningitis	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	1	..	..	..	..	..	1
42. Apoplexy	1	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..
49. Convulsions	2	....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	2	....	....	2	....	....	2	....	....	1	..	..	..	1	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	3	....	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	2	1	....	3	....	....	....	3	..	..	..	1	..	..	1	1	..	..	..	..	..	..
53. Endocarditis	3	....	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	2	1	....	3	....	....	....	3	....	..	..	1	..	..	..	1	1	..	..	..	..	..

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CAUSES OF DEATH BY TOWNS—IN KENORA, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	291	35	3	3	1	1	3	6	14	89	66	35	12	9	6	1	7	246	45	.....	97	175	19	167	71	53	24	18	21	14	15	26	24	23	28	45	26	27
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	67	1	..	..	..	..	1	1	7	30	20	5	....	1	..	..	1	59	8	....	14	53	....	45	13	9	..	2	1	..	2	..	1	4	9	30	14	4
1. Typhoid Fever	64	....	..	..	..	..	..	1	7	29	20	5	....	1	..	..	1	57	7	....	12	52	....	43	13	8	..	2	1	..	1	..	1	4	9	29	13	4
6. Whooping Cough	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
7. Diphtheria and Croup	2	....	..	..	..	..	1	..	..	1	..	..	....	..	..	..	..	2	....	....	1	1	....	1	....	1	..	..	..	..	..	..	..	..	..	1	1	..
(B.—Other General Diseases.)																																						
Group Total	15	....	..	..	..	..	..	1	..	6	2	1	1	2	1	..	1	10	5	....	5	10	....	5	8	2	2	1	1	1	1	3	2	1	....	1	2
13. Tuberculosis of Lungs	7	....	..	..	..	..	..	1	..	4	1	..	1	..	..	..	..	4	3	....	3	4	....	3	3	1	1	..	1	..	1	2	2	..	..	..	..	..
23. Venereal Diseases	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	1	..	..	..	..
25. Cancer of Stomach and Liver	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
30. Cancer of other Unspecified Organs	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
32. Rheumatism	2	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	1	2	....	....	....	2	....	2	....	....	..	1	..	..	..	1	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	..	....	..	1	..	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	2	....	....	1	1	....	....	1	1	1	..	..	..	..	..	..	..	..	..	..	1
II.—Diseases of Nervous System.																																						
Group Total	11	2	1	1	....	1	..	2	....	..	1	..	1	..	2	....	..	8	3	....	8	3	....	8	3	....	1	2	1	..	3	1	..	1	....	..	2	..
39. Meningitis	4	....	..	1	....	1	..	2	....	..	..	..	....	..	..	..	..	4	....	....	3	1	....	4	....	....	..	2	1	....	1	..	..	1	..	..	..	..
42. Apoplexy	3	....	..	..	..	..	..	..	..	....	..	1	....	..	2	..	..	2	1	....	1	2	....	1	2	....	..	..	..	..	1	..	..	1	..	..	1	..
44. Paralysis	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
49. Convulsions	3	2	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	1	....	3	....	....	3	....	....	1	..	..	..	2	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	9	....	..	..	..	..	..	..	..	1	3	1	3	1	..	..	..	7	2	....	5	4	....	1	7	1	2	2	1	1	..	..	1	1	1	..	..	..
54. Heart Disease	4	....	..	..	..	..	..	..	..	....	2	1	1	..	..	..	..	3	1	....	4	....	....	....	3	1	2	..	1	1	..	..	..	..	..	..	..	..
57. Embolism and Thrombosis	2	....	..	..	..	..	..	..	..	....	..	..	2	..	..	..	..	2	....	....	....	2	....	....	2	....	..	2	..	..	..	..	..	..	..	..	..	..
60. Other Diseases of Circulatory System	3	....	..	..	..	..	..	..	..	1	1	..	....	1	..	..	..	2	1	....	1	2	....	1	2	..	..	..	..	..	..	..	1	1	1	..	..	..

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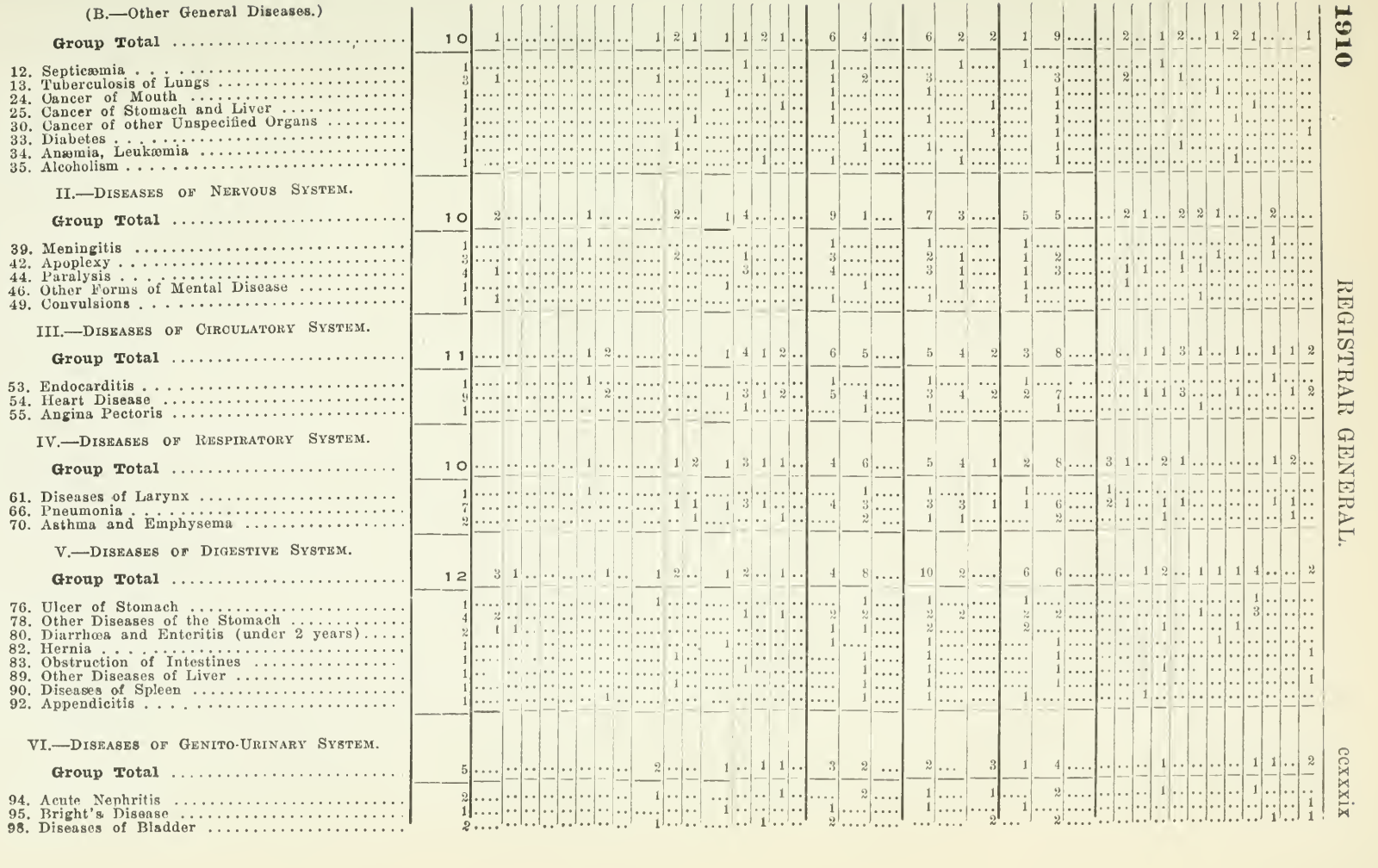
KENORA.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
XIII.—Violence and other External Causes.																																						
Group Total	105	....	..	..	..	1	..	2	5	36	34	20	2	..	..	..	5	102	3	....	11	84	10	49	23	33	15	7	13	8	5	17	12	6	6	8	5	3
120. Suicides	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	....	....	....	....	1	....	1	....	..	..	..	..	..	1	..	..	..	..	..	..
121. Fractures and Dislocations	8	....	..	..	..	..	..	1	1	1	3	1	....	..	..	..	1	7	1	....	2	5	1	4	3	1	1	2	..	..	1	1	..	3	..	..	..	..
122. Burns and Scalds	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..
124. Drowning	16	....	..	..	..	1	..	1	2	7	2	3	....	..	..	..	1	15	1	....	4	10	2	12	2	2	..	..	..	..	1	4	7	..	1	2	1	..
127. Other Accidental Traumatisms	78	....	..	..	..	..	..	..	2	27	29	16	1	..	..	..	3	77	1	....	4	68	6	32	16	30	14	5	13	7	2	12	2	6	4	6	4	3
129. Homicide	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	23	3	..	..	..	..	1	1	..	7	3	1	3	2	2	..	..	18	5	....	12	6	5	13	7	3	..	1	..	1	..	..	1	1	2	1	2	14
131. Heart Failure	5	1	..	..	..	..	..	..	..	....	1	..	2	1	..	..	..	4	1	....	3	....	2	2	3	....	..	..	..	..	1	..	..	1	1	1	..	..
132. Other ill-defined causes	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	2	....	....	....	2	....	....	..	1	..	..	..	..	..	..	..	1	..	..
133. Unknown causes	16	....	..	..	..	..	1	1	..	7	2	1	1	1	2	..	..	14	2	2	7	6	3	2	4	3	..	..	..	..	..	..	..	..	..	2	..	14

CAUSES OF DEATH BY TOWNS—IN LINDSAY, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	112	24	3	1	1	1	5	3	1	7	11	5	9	16	13	12	.....	63	48	1	72	23	17	48	63	1	5	7	9	10	14	11	6	7	7	12	10	14
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	7	1	1	..	..	..	2	..	..	1	1	..	1	..	..	..	..	4	3	....	5	....	2	7	....	....	..	..	..	..	1	1	..	1	1	..	1	2
1. Typhoid Fever	3	....	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	2	1	....	2	....	1	3	....	....	..	..	..	..	..	..	..	1	1	..	1	..
5. Scarlet Fever	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
7. Diphtheria and Croup	2	....	..	..	..	..	2	..	..	....	..	..	....	..	..	..	..	1	1	....	1	....	1	2	....	....	..	..	..	..	..	..	..	..	..	..	2	..


(B.—Other General Diseases.)
Group Total
12. Septicæmia
13. Tuberculosis of Lungs
24. Cancer of Mouth
25. Cancer of Stomach and Liver
30. Cancer of other Unspecified Organs
33. Diabetes
34. Anæmia, Leukæmia
35. Alcoholism
II.—Diseases of Nervous System.
Group Total
39. Meningitis
42. Apoplexy
44. Paralysis
46. Other Forms of Mental Disease
49. Convulsions
III.—Diseases of Circulatory System.
Group Total
53. Endocarditis
54. Heart Disease
55. Angina Pectoris
IV.—Diseases of Respiratory System.
Group Total
61. Diseases of Larynx
66. Pneumonia
70. Asthma and Emphysema
V.—Diseases of Digestive System.
Group Total
76. Ulcer of Stomach
78. Other Diseases of the Stomach
80. Diarrhœa and Enteritis (under 2 years)
82. Hernia
83. Obstruction of Intestines
89. Other Diseases of Liver
90. Diseases of Spleen
92. Appendicitis
VI.—Diseases of Genito-Urinary System.
Group Total
94. Acute Nephritis
95. Bright's Disease
98. Diseases of Bladder

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VII.—The Puerperal State.																																						
Group Total	2	....	..	..	..	..	..	..	..	1	1	..	....	..	..	..	..	....	2	....	2	....	....	....	2	....	..	1	..	..	1	..	..	..	..	..	..	..
106. Puerperal Septicæmia	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	2	...	2	....	....	....	2	....	..	1	..	..	1	..	..	..	..	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
112. Other Diseases of Skin	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
XI.—Early Infancy.																																						
Group Total	11	11	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	6	4	1	11	....	....	11	....	....	..	1	1	..	1	2	1	..	..	3	1	1
117. Premature Birth	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	1	1	4	....	....	4	....	....	..	1	1	..	..	..	..	..	..	1	1	
118. Congenital Debility	7	7	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	4	3	....	7	....	....	7	....	....	..	..	..	..	1	2	1	..	..	2	..	1
119. XII.—Old Age.																																						
Group Total	12	....	..	..	..	..	..	..	..	....	..	..	....	..	7	5	..	7	5	....	4	6	2	....	12	....	1	..	2	1	2	1	..	2	..	1	2	..
XIII.—Violence and other External Causes.																																						
Group Total	7	....	1	1	1	1	..	..	1	1	..	1	....	..	..	..	..	6	1	....	5	....	2	6	1	....	..	..	1	1	..	2	..	..	..	1	1	1
120. Suicides	1	..	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	...	....	1	1	....	...	..	..	..	..	..	..	..	..	..	..	..	1
122. Burns and Scalds	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
124. Drowning	1	....	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	...	....	..	..	..	..	..	..	..	..	..	1	..	..
127. Other Accidental Traumatisms	4	....	..	1	..	1	..	..	1	....	..	1	....	..	..	..	..	4	....	....	3	....	1	3	1	....	..	..	1	1	..	1	..	..	..	1	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	10	2	..	..	..	..	..	..	..	....	2	1	2	2	..	1	..	6	4	....	6	1	3	2	7	1	1	..	..	1	..	1	1	..	..	2	2	2
130. Dropsy	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
131. Heart Failure	3	....	..	..	..	..	..	..	..	....	..	1	....	1	..	1	..	2	1	....	1	1	1	....	3	....	1	..	..	..	..	..	1	..	..	..	..	1
132. Other ill-defined causes	4	2	..	..	..	..	..	..	..	....	..	..	1	1	..	..	..	4	....	....	3	....	1	2	2	....	..	..	..	1	..	1	..	..	..	..	..	1
133. Unknown causes	2	....	..	..	..	..	..	..	..	....	2	..	....	..	..	..	..	....	2	....	1	....	1	....	1	1	..	..	..	..	..	..	..	..	..	1	1	..
134. XV.—Still Births.																																						
Group Total	4	4	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	3	....	4	....	....	4	....	....	..	..	2	..	1	..	1	..	..	..	..	..

CAUSES OF DEATH BY TOWNS—IN ORILLIA, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	77	15	3	1	1			1	3	13	7	2	9	8	4	8	2	39	37	1	54	16	7	36	32	9	6	6	8	6	8	9	9	6	8	5	3	3
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	1	1																1			1			1														1
5. Scarlet Fever	1	1																1			1			1														1
(B.—Other General Diseases.)																																					
Group Total	12									5	1		2	2	1	1		7	5		8	1	3	3	6	3		1	1	3	1	1	3	1		1		
13. Tuberculosis of Lungs	7									5	1		1					4	3		5		2	2	4	1		1	1	2	1		1			1		
24. Cancer of Mouth	2													1		1		2			1	1			1	1							1	1				
30. Cancer of other Unspecified Organs	1													1					1		1			1							1						
33. Diabetes	1														1			1			1					1											
35. Alcoholism	1												1						1				1		1					1								
II.—Diseases of Nervous System.																																					
Group Total	5												1	1	1	2		1	4		1	2	2	1	4					2	1			1		1		
42. Apoplexy	1															1			1			1		1						1							
43. Softening of Brain	1														1			1				1			1					1							
44. Paralysis	1															1			1				1		1										1		
48. Epilepsy	1												1						1		1				1						1						
51. Other Diseases of Nervous System	1													1					1				1		1											1	
III.—Diseases of Circulatory System.																																					
Group Total	7									1	2			2		2		3	4		2	4	1		7		1	1		1		1			1	1	1	
53. Endocarditis	1									1								1				1			1												
54. Heart Disease	1															1			1			1			1						1						
56. Diseases of Arteries	3												2		1			2	1		1	2			3		1	1						1			
57. Embolism and Thrombosis	1										1								1				1		1											1	
58. Diseases of Veins	1										1								1		1				1												

ORILLIA.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IV.—Diseases of Respiratory System.																																						
Group Total	14	1	2	..	1	..	..	1	1	3	..	1	3	1	..	..	..	7	7	....	13	1	....	11	2	1	2	4	1	2	2	..	..	1	1	..	..	1
63. Acute Bronchitis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
66. Pneumonia	12	....	2	..	..	..	..	1	1	3	..	1	3	1	..	..	..	6	6	....	11	1	....	9	2	1	2	4	1	2	1	..	..	1	1	..	..	..
68. Congestion of Lungs	1	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	1
V.—Diseases of Digestive System.																																						
Group Total	7	1	1	..	..	..	..	..	..	1	2	1	1	..	..	..	..	2	5	....	6	....	1	4	3	....	..	..	1	..	..	..	1	1	3	..	..	1
78. Other Diseases of the Stomach	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
83. Obstruction of Intestines	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
89. Other Diseases of Liver	2	....	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	2	....	1	....	1	1	1	....	..	..	..	..	..	..	..	..	1	..	..	..
92. Appendicitis	3	....	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	1	..	..	..	..	..	1	..	..	1
VI.—Diseases of Genito-Urinary System.																																						
Group Total	4	1	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	3	1	....	3	1	....	1	2	1	..	..	..	..	1	1	..	1	..	1	..	..
95. Bright's Disease	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	....	..	....	....	..	..	..	..	..	..	..	..	..	..	..	..
96. Other Diseases of Kidneys	2	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	1	....	....	..	1	....	..	..	..	..	..	1	..	..	..	..	..	..
98. Diseases of Bladder	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	....	....	2	....	....	1	1	....	..	..	..	..	1	..	..	..	1	..	..	..
VII.—The Puerperal State.																																						
Group Total	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
106. Puerperal Septicæmia	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
VIII.—Diseases of Skin.																																						
Group Total	2	....	..	..	..	..	..	..	..	....	1	..	....	1	..	..	..	....	2	....	1	1	....	....	1	1	..	..	..	..	..	..	1	1	..	..	..	..
109. Gangrene	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
111. Abscess	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	....	1	..	..	..	..	..	..	..	1	..	..	..	..
XI.—Early Infancy.																																						
Group Total	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	5	3	....	8	....	....	8	...	....	1	..	1	..	..	4	2	..	..	..	..	..
117. Premature Birth	6	6	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	4	2	....	6	....	....	6	....	....	1	..	1	..	..	2	2	..	..	..	..	..
118. Congenital Debility	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	..	..	2	2	..	..	..	..	..
XII.—Old Age.																																						
119. **Group Total**	3	....	..	..	..	..	..	..	..	....	..	..	....	1	..	2	..	1	2	....	....	3	....	....	3	....	1	..	..	..	..	1	..	..	..	1	..	..

	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
CAUSES OF DEATH.		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	198	54	7	1	1	1	2	7	3	12	15	11	19	16	29	20	.....	111	87	.....	136	58	4	94	98	6	18	21	12	6	19	20	16	27	16	19	13	11
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	18	6	1	..	..	..	2	1	..	1	2	1	2	..	1	1	..	14	4	....	12	6	....	11	7	....	1	2	1	1	..	1	1	4	2	3	2	..
1. Typhoid Fever	2	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	2	..	....	2	..	....	....	2	....	..	..	..	..	..	..	..	1	..	1	..	..
6. Whooping Cough	5	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	....	5	..	....	5	..	..	..	..	..	..	..	..	..	2	1	..	2	..
7. Diphtheria and Croup	4	1	..	..	..	..	2	..	..	..	1	..	..	..	..	..	..	3	1	....	3	1	....	4	..	..	..	1	..	..	1	..	..	1	..	..	1	..
8. Influenza	3	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	2	1	....	1	2	....	..	3	....	..	2	..	..	..	1	..	..	..	..	..	..
9. Dysentery	3	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	1	....	1	2	....	..	2	....	..	..	..	..	..	..	..	1	1	1	..	..
10. Erysipelas	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	....	..	1	....	1	..	....	..	..	..	1	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	27	..	..	..	..	1	..	1	3	3	7	1	3	3	3	2	..	10	17	....	18	9	...	10	16	1	1	1	3	1	3	5	3	2	3	1	..	4
13. Tuberculosis of Lungs	10	..	..	..	..	..	..	..	1	2	3	3	..	1	..	..	..	3	7	..	7	3	....	6	4	....	1	1	2	1	..	1	2	1	..	..	..	1
14. Tuberculosis of Larynx	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
25. Cancer of Stomach and Liver	3	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	2	1	....	2	1	....	1	2	....	..	..	..	..	..	..	..	1	1	..	..	1
27. Cancer of Genital Organs	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	..	..	..	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..
30. Cancer of other Unspecified Organs	4	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	1	3	....	2	2	....	..	4	....	..	..	..	..	..	..	..	2	1	..	..	..

XIII.—Violence and other External Causes.

Group Total	5	....	..	1	..	..	..	..	1	2	..	..	....	..	..	..	1	5	....	....	4	1	....	3	1	1	1	..	1	..	..	..	1	1	..	..	1	..
124. Drowning	2	....	..	1	..	..	..	..	1	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	....	..	..	..	..	..	1	1	..	..	..	..
127. Other Accidental Traumatisms	3	....	..	..	..	..	..	..	..	2	..	..	....	..	..	..	1	3	....	....	2	1	....	1	1	1	1	..	1	..	..	..	..	..	..	..	1	..

XIV.—Ill-Defined Diseases.

Group Total	5	1	..	..	..	..	..	..	..	....	1	..	....	..	2	..	1	2	3	....	3	2	....	1	2	2	..	..	1	..	1	..	1	..	1	1	..	..
131. Heart Failure	3	....	..	..	..	..	..	..	..	....	1	..	....	..	2	..	..	1	2	....	1	2	....	....	2	1	..	..	1	..	1	..	1	..	..	..	..	..
132. Other ill-defined causes	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
133. Unknown causes	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	1	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..	..	1	..	..

134. XV.—Still Births.

Group Total	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	1	3	....	....	3	....	....	....	..	..	2	..	1	..	..	..	..	..	..

19 R. G.

OWEN SOUND.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
31. Tumors	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	1	....	....	....	1	....	....	....	1	..	..	..	..	..	1	..	..	..	..	..	..
32. Rheumatism	1	....	..	..	..	1	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
33. Diabetes	1	....	..	..	..	..	..	..	1	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	1	..	..	..	..	..	..
34. Anæmia, Leukæmia	4	....	..	..	..	..	..	..	..	....	3	..	1	..	..	..	..	....	4	....	3	1	....	....	4	....	..	..	..	..	2	1	..	..	..	..	..	1
35. Alcoholism	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	17	3	1	..	1	..	..	..	..	1	2	2	2	2	2	1	..	8	9	....	14	3	....	8	8	1	1	2	..	2	1	3	1	1	2	1	2	1
39. Meningitis	5	3	1	..	1	..	..	..	..	....	..	..	....	..	..	..	..	3	2	....	5	....	....	5	....	....	..	..	..	..	..	3	1	..	1	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
42. Apoplexy	3	....	..	..	..	..	..	..	..	....	1	..	1	..	1	..	..	2	1	....	2	1	....	....	2	1	1	..	..	..	1	..	..	..	..	..	..	1
43. Softening of Brain	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	1	..
44. Paralysis	4	....	..	..	..	..	..	..	..	....	..	1	....	1	1	1	..	3	1	....	2	2	....	2	2	....	..	1	..	..	..	..	..	..	1	1	1	..
46. Other Forms of Mental Disease	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	....	2	....	2	....	....	....	2	....	..	..	..	..	1	..	..	..	1	..	..	..
48. Epilepsy	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	17	....	..	..	..	..	..	..	..	....	1	2	3	2	8	1	..	9	8	....	8	9	....	....	15	2	1	2	1	..	..	1	..	3	2	3	2	2
54. Heart Disease	10	....	..	..	..	..	..	..	..	....	1	..	2	1	6	..	..	7	3	....	4	6	....	....	8	2	1	1	1	..	..	..	..	1	1	2	2	1
56. Diseases of Arteries	6	....	..	..	..	..	..	..	..	....	..	1	1	1	2	1	..	2	4	....	3	3	....	....	6	....	..	1	..	..	..	1	..	2	1	1	..	..
58. Diseases of Veins	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
IV.—Diseases of Respiratory System.																																						
Group Total	15	4	..	1	..	..	..	..	..	1	1	..	4	2	1	1	..	11	4	....	14	1	....	5	10	....	4	1	1	1	2	1	..	2	..	1	1	1
63. Acute Bronchitis	4	3	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	3	1	....	4	....	....	3	1	....	2	..	..	..	..	..	..	..	..	..	1	1
64. Chronic Bronchitis	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
66. Pneumonia	8	1	..	1	..	..	..	..	..	....	1	..	4	1	..	..	..	6	2	....	7	1	....	2	6	....	1	1	1	1	1	1	..	1	..	1	..	..
70. Asthma and Emphysema	2	....	..	..	..	..	..	..	..	1	..	..	....	..	..	1	..	1	1	....	2	....	....	....	2	....	..	..	..	..	1	..	..	1	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	22	7	5	..	..	..	..	3	..	....	..	1	2	3	1	..	..	12	10	....	19	3	....	16	6	....	2	1	1	..	2	1	2	4	3	3	2	1
77. Gastritis	1	..	1	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
78. Other Diseases of the Stomach	5	2	2	..	..	..	..	..	..	....	..	..	....	..	1	..	..	4	1	....	5	....	....	4	1	....	..	..	..	..	1	..	..	1	1	1	..	1
80. Diarrhœa and Enteritis (under 2 years)	7	5	2	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	4	....	7	....	....	7	....	....	..	..	1	..	..	..	1	3	..	1	1	..
81. Diarrhœa and Enteritis (2 years and over)	1	..	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..
82. Hernia	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	....	....	....	1	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
83. Obstruction of Intestines	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
85. Acute Yellow Atrophy of Liver	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	..
89. Other Diseases of Liver	1	....	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
92. Appendicitis	4	....	..	..	..	..	..	3	..	....	..	1	....	..	..	..	..	3	1	....	2	2	....	3	1	....	..	..	..	..	..	1	1	..	1	..	1	..

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CAUSES OF DEATH BY TOWNS—IN PEMBROKE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	96	16	2	...	...	...	5	2	5	11	16	6	9	11	8	5	...	46	50	...	68	22	6	49	47	...	9	10	3	15	9	9	...	2	4	12	13	10
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	18	1	1	...	...	...	1	2	2	2	5	3	1	..	..	..	..	8	10	....	12	1	5	10	8	....	1	..	..	..	..	..	..	..	3	5	9
1. Typhoid Fever	16	....	..	..	..	..	1	2	2	2	5	3	1	..	..	..	..	7	9	....	10	1	5	8	8	....	1	..	..	..	..	..	..	..	2	5	8
5. Scarlet Fever	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
(B.—Other General Diseases.)																																						
Group Total	19	....	..	..	..	..	1	..	2	5	6	..	2	3	..	..	..	7	12	....	14	5	....	10	9	....	4	2	..	1	3	4	..	1	..	1	3	..
12. Septicæmia	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	....	1	....	1	....	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	7	....	..	..	..	..	..	1	4	2	..	..	..	..	..	..	..	3	4	....	6	1	....	5	2	....	2	..	..	1	1	1	..	..	1	1	..
15. Tuberculous Meningitis	1	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
27. Cancer of Genital Organs	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
28. Cancer of Breast	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	....	1	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
30. Cancer of other Unspecified Organs	2	....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	..	1	..
31. Tumors	1	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	1	..	..	..	1	..	..	..	..	..	..
32. Rheumatism	1	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	3	....	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	2	1	....	1	2	....	1	2	....	..	..	..	..	..	1	..	..	..	..	..	..
35. Alcoholism	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	1	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	7	2	..	..	..	..	2	..	..	....	....	..	1	1	..	1	..	4	3	....	5	2	....	5	2	....	..	..	..	5	..	1	..	..	1	..	..
42. Apoplexy	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	1	....	....	1	....	..	..	..	1	..	..	..	..	..	..	..	..
43. Softening of Brain	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
44. Paralysis	2	....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	....	1	1	....	1	1	....	..	..	..	1	..	..	..	..	1	..	..	..
47. Other Diseases of Brain	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..
48. Epilepsy	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
51. Other Diseases of Nervous System	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	5	....	..	..	..	..	..	..	..	1	..	1	1	1	1	..	..	3	2	....	2	3	....	1	4	....	..	1	..	..	..	..	..	..	2	1	..	1
54. Heart Disease	4	....	..	..	..	..	..	..	..	1	..	1	....	1	1	..	..	2	2	....	2	2	....	1	3	....	..	1	..	..	..	..	..	..	2	1	..	..
56. Diseases of Arteries	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1

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CAUSES OF DEATH BY TOWNS—IN SARNIA, 1908.

CAUSES OF DEATH.	Total.	Ages.															Sex.			Nativity.			Social Con.			Months.											
		Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
		0-1																																			
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	154	41	5	1	3	.....	.....	2	4	18	16	9	10	14	17	12	2	71	83	.....	117	34	3	71	81	2	11	16	7	14	14	12	11	20	17	10	4	18
I.—General Diseases.																																					
(A.—Epidemic Diseases.)																																					
Group Total	19	4	1	1	2	...	...	2	1	2	3	..	3	..	..	..	..	8	11	....	18	1	....	12	6	1	2	1	1	2	2	..	..	2	3	2	..	4
1. Typhoid Fever	11	....	1	..	1	..	..	2	..	2	3	..	2	..	..	..	..	3	8	....	10	1	....	5	5	1	1	..	..	..	1	..	..	..	3	2	..	2
5. Scarlet Fever	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	....	2	..	....	2	..	....	..	..	..	..	..	..	..	..	..	..	..	..
6. Whooping Cough	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	..	..	..	1	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	1	..	....	1	..	....	..	1	..	..	..	..	..	..	..	..	..	..
8. Influenza	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	1	..	....	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..
10. Erysipelas	3	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	2	....	3	..	....	2	1	....	..	..	..	2	1	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																					
Group Total	33	1	..	..	..	..	..	..	1	8	6	4	2	7	3	..	1	13	20	....	24	9	....	8	25	....	3	4	1	6	3	3	2	2	2	3	3	1
13. Tuberculosis of Lungs	8	....	..	..	..	..	..	..	..	4	3	..	....	1	..	..	..	3	5	....	8	....	....	2	6	....	..	..	1	3	..	1	1	1	..	..	..	1
14. Tuberculosis of Larynx	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	1	..	..	..	..	..	..	..	..	..	..	..
20. Tuberculosis of other organs	4	....	..	..	..	..	..	1	..	3	..	..	....	..	..	..	..	1	3	....	3	1	....	2	2	....	..	..	..	..	..	..	1	..	1	..	..	..
25. Cancer of Stomach and Liver	4	....	..	..	..	..	..	..	..	....	..	2	1	1	..	..	..	2	2	....	1	3	....	....	4	....	..	1	..	..	1	1	..	..	..	..	1	..
30. Cancer of other Unspecified Organs	8	....	..	..	..	..	..	..	..	....	1	..	1	2	3	..	..	2	6	....	4	4	....	....	8	....	..	1	..	1	..	1	..	..	..	1	2	1
32. Rheumatism	2	....	..	..	..	..	..	..	..	....	..	..	..	2	..	..	..	1	1	....	2	....	....	....	2	....	..	1	..	..	..	..	..	..	..	1	..	..
33. Diabetes	2	....	..	..	..	..	..	..	..	1	..	1	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	1	..	..	..	..	..	..	..	..	1	..
34. Anæmia, Leukæmia	2	1	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	1	....	2	....	....	2	....	....	..	..	..	1	..	1	..	..	..	..	..	..
35. Alcoholism	2	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	1	1	1	....	1	1	....	....	2	....	..	..	..	1	1	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																					
Group Total	13	..	1	..	..	..	..	..	1	2	2	..	1	..	5	1	..	....	13	...	5	8	....	5	8	....	..	3	1	2	2	2	..	..	..	2	..	1
39. Meningitis	3	....	1	..	..	..	..	..	1	1	..	..	....	..	..	..	..	....	3	....	3	....	....	2	1	....	..	1	..	1	1	..	..	..	..	..	..	..
41. Other Diseases of Spinal Cord	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
42. Apoplexy	6	....	..	..	..	..	..	..	..	....	..	..	1	..	4	1	..	....	6	....	1	5	....	2	4	....	..	1	1	1	..	2	..	..	1	..	..	..
44. Paralysis	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	....	1	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
48. Epilepsy	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	1	..	1
51. Other Diseases of Nervous System	1	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	..	....	1	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
119. XII.—Old Age.																																						
Group Total	11	....	..	..	..	..	..	..	..	....	..	..	....	1	1	9	..	5	6	....	3	7	1	1	10	....	..	3	1	1	1	..	..	2	1	2	..	..
XIII.—Violence and other External Causes.																																						
Group Total	6	2	..	..	..	..	..	..	..	1	..	..	....	..	..	2	1	4	2	....	5	1	....	3	3	....	..	..	1	..	..	1	..	..	1	..	..	3
120. Suicides	1	....	..	..	..	..	..	..	..	....	..	..	....	..	..	..	1	....	1	....	1	....	....	..	1	....	..	..	..	..	..	..	..	..	1	..	..	..
122. Burns and Scalds	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	1
125. Inhalation of Poisonous Gases	2	....	..	..	..	..	..	..	..	....	..	..	....	..	..	2	..	1	1	....	1	1	....	....	2	....	..	..	..	..	..	..	..	..	..	..	..	2
128. Injuries at Birth	2	2	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	1	..	..	1	..	..	..	..	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	2	1	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	1	..	..	1
132. Other ill-defined causes	2	1	..	..	..	..	..	..	..	....	..	1	....	..	..	..	..	1	1	....	2	....	....	1	1	....	..	..	..	..	..	..	..	..	1	..	..	1
134. XV.—Still Births.																																						
Group Total	8	8	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	5	....	8	....	....	8	....	....	..	..	..	1	2	..	1	1	1	..	..	2

CAUSES OF DEATH BY TOWNS—IN SAULT STE. MARIE, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	111	33	....	1	1	....	....	2	3	9	9	2	7	10	8	3	23	75	35	1	69	16	26	60	27	24	14	7	7	4	9	12	8	11	8	9	13	9
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	6	....	..	..	..	..	..	1	..	....	..	1	....	..	..	..	4	5	1	....	3	....	3	....	1	5	..	..	..	..	1	..	..	..	..	2	1	2
1. Typhoid Fever	6	....	..	..	..	..	..	1	..	....	..	1	....	..	..	..	4	5	1	....	3	....	3	....	1	5	..	..	..	..	1	..	..	..	..	2	1	2

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SAULT STE. MARIE.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
VIII.—Diseases of Skin.																																						
Group Total	2	1	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	2	....	....	2	....	....	2	....	...	1	..	..	..	1	..	..	..	..	..	..	..
109. Gangrene	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	...	....	1	..	..	..	..	..	..	..	..	..	..	..
111. Abscess	1	....	..	..	1	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	1	1	..	..	..	..	..	..	..	....	..	..	...	..	..	..	..	....	1	....	1	....	. ..	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
117. Premature Birth	1	1	..	..	..	..	..	..	..	....	..	..	...	..	..	..	..	....	1	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
119. XII.—Old Age.																																						
Group Total	10	....	..	..	..	..	..	..	..	....	..	..	....	4	3	1	2	7	3	....	4	2	4	1	6	3	1	..	2	....	5	..	..	1	....	..	1
XIII.—Violence and other External Causes.																																						
Group Total	14	....	..	..	..	..	..	....		7	2	1	1	1	1	..	1	13	1	....	5	5	4	7	5	2	..	2	1	2	1	3	3	..	..	..	1	1
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	1	..	..	..	..	..	..	..
122. Burns and Scalds	2	....	..	..	..	..	..	..	..	....	1	..	....	..	..	..	1	2	....	....	1	....	1	1	....	1	..	..	..	..	..	..	..	..	..	1	..	..
124. Drowning	5	....	..	..	..	..	..	..	..	4	1	..	....	..	..	..	..	5	....	...	1	3	1	4	....	1	..	1	..	..	..	..	..	..	..	..	..	..
127. Other Accidental Traumatisms	6	....	..	..	..	..	..	..	..	2	..	1	1	1	1	..	..	5	1	..	2	2	2	1	5	....	..	1	1	1	..	..	2	..	..	..	..	1
XIV.—Ill-Defined Diseases.																																						
Group Total	10	1	..	..	..	..	..	..	..	2	1	..	1	3	2	..	..	8	2	....	4	6	...	9	1	....	..	1	2	..	4	..	..	2	1	..	..	..
131. Heart Failure	7	....	..	..	..	..	..	..	..	2	1	..	....	2	2	..	..	7	....	....	2	5	....	7	....	....	..	1	2	..	2	..	..	2	..	..	..	..
132. Other ill-defined causes	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	....	1	....	1	...	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..
133. Unknown causes	2	1	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	1	1	....	1	1	....	2	....	....	..	..	..	..	2	..	..	..	..	..	..	..
134. XV.—Still Births.																																						
Group Total	14	14	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	8	5	1	14	....	....	14	....	....	3	..	..	..	1	2	2	1	..	3	2	..

CAUSES OF DEATH BY TOWNS—IN SMITH'S FALLS, 1908.

CAUSES OF DEATH.	Total.	Ages.																Sex.			Nativity.			Social Con.			Months.											
		0-1 Under 1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-29.	30-39.	40-49.	50-59.	60-69.	70-79.	80 and over.	Not stated.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Grand Total	115	22	1	3	2	2	..	4	3	12	7	8	12	13	16	10	..	67	48	..	88	26	1	51	61	3	15	9	17	9	12	5	12	6	11	4	7	8
I.—General Diseases.																																						
(A.—Epidemic Diseases.)																																						
Group Total	5	..	1	..	1	..	..	..	..	2	1	..	..	..	..	..	..	4	1	..	4	1	..	3	2	..	..	..	3	..	..	..	..	2	..	..	..	..
1. Typhoid Fever	3	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	3	..	..	2	1	..	1	2	..	..	..	1	..	..	..	..	2	..	..	..	..
6. Whooping Cough	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
7. Diphtheria and Croup	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
(B.—Other General Diseases.)																																						
Group Total	23	1	..	..	..	..	..	2	..	4	3	4	4	4	1	..	..	16	7	..	18	5	..	7	13	3	1	2	1	4	4	..	2	1	3	2	1	2
12. Septicæmia	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
13. Tuberculosis of Lungs	11	..	..	..	..	..	..	..	..	4	2	2	1	2	..	..	..	7	4	..	10	1	..	3	7	1	1	1	..	3	1	..	2	..	1	1	..	1
26. Cancer of Intestines	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..
27. Cancer of Genital Organs	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
30. Cancer of other Unspecified Organs	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
33. Diabetes	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..
34. Anæmia, Leukæmia	6	1	..	..	..	..	..	1	..	..	2	1	1	..	..	..	..	4	2	..	6	..	..	3	2	1	..	..	1	1	1	..	..	1	1	..	..	..
37. Other General Diseases	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.—Diseases of Nervous System.																																						
Group Total	16	2	..	2	..	..	..	2	..	..	..	..	3	3	3	1	..	8	8	..	11	5	..	6	10	..	3	1	4	2	..	2	2	..	..	..	2	..
39. Meningitis	2	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	2	..	..	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..
41. Other Diseases of Spinal Cord	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
42. Apoplexy	6	..	..	..	..	..	..	..	..	..	..	..	1	3	1	1	..	3	3	..	3	3	..	..	6	..	..	1	2	1	..	1	..	..	..	1	..	..
43. Softening of Brain	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
44. Paralysis	3	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	1	2	..	3	..	..	..	3	..	1	..	1	1	..	..	..	..	..	..	..	..
49. Convulsions	3	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	..	..	3	..	..	2	..	..	..	..	..	1	..	..	..	..	..
III.—Diseases of Circulatory System.																																						
Group Total	10	..	..	..	..	..	..	..	..	..	..	..	1	3	5	1	..	6	4	..	7	2	1	1	9	..	3	1	1	..	1	..	1	..	1	..	1	1
53. Endocarditis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	2	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	1	..
54. Heart Disease	8	..	..	..	..	..	..	..	..	..	..	1	3	4	..	..	..	6	2	..	5	2	1	1	7	..	3	..	1	..	1	..	..	1	..	1	..	1

SMITH'S FALLS.—Continued.

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
IV.—Diseases of Respiratory System.																																						
Group Total	8	1	1	..	..	..	..	..	2	1	..	2	..	..	1	..	..	3	5	....	7	1	....	5	3	....	1	2	2	1	1	1	..	..	..	..	..	..
65. Broncho-Pneumonia	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	1	....	....	..	..	..	1	..	..	..	..	..	..	..	..
66. Pneumonia	6	....	1	..	..	..	..	..	2	....	..	2	....	..	1	..	..	3	3	....	6	....	....	4	2	....	1	1	2	..	1	1	..	..	..	..	..	..
67. Pleurisy	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	....	1	....	....	1	....	....	1	....	..	1	..	..	..	..	..	..	..	..	..	..
V.—Diseases of Digestive System.																																						
Group Total	10	4	..	..	1	..	..	..	..	1	1	..	1	..	1	1	..	3	7	....	9	1	....	7	3	....	1	1	..	1	..	..	3	2	2	..	..	..
77. Gastritis	2	....	..	..	..	..	..	..	..	....	..	..	1	..	..	1	..	....	2	....	2	....	....	1	1	....	..	1	..	..	..	..	1	..	..	..	..	..
80. Diarrhœa and Enteritis (under 2 years)	3	3	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	....	3	....	3	....	....	3	....	....	..	..	..	..	..	..	..	2	1	..	..	..
81. Diarrhœa and Enteritis (2 years and over)	1	....	..	..	..	..	..	..	..	....	..	..	....	..	1	..	..	1	....	....	....	1	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..
82. Hernia	1	....	..	..	..	..	..	..	..	..	1	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
83. Obstruction of Intestines	1	1	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	1	..	..	..	..	..
91. Peritonitis, Non-puerperal	2	....	..	..	1	..	..	..	..	1	..	..	....	..	..	..	..	....	2	....	2	....	....	2	....	....	1	..	..	..	..	..	1	..	..	..	..	..
VI.—Diseases of Genito-Urinary System.																																						
Group Total	2	....	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	2	....	....	2	....	....	....	2	....	..	..	1	..	..	..	..	..	..	..	..	1
94. Acute Nephritis	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	1
95. Bright's Disease	1	....	..	..	..	..	..	..	..	....	..	..	1	..	..	..	..	1	....	....	1	....	....	....	1	....	..	..	1	..	..	..	..	..	..	..	..	..
XI.—Early Infancy.																																						
Group Total	7	7	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	4	3	....	7	....	....	7	....	....	3	..	..	..	..	..	..	1	..	..	3
117. Premature Birth	2	2	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	2	....	....	2	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	2
118. Congenital Debility	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	2	3	....	5	....	....	5	....	....	3	..	..	..	..	..	..	1	..	..	1
XII.—Old Age.																																						
119. **Group Total**	7	....	..	..	..	..	..	..	..	....	..	..	....	..	2	5	..	3	4	....	3	4	....	....	7	....	1	2	1	..	..	1	..	..	1	..	..	1
XIII.—Violence and other External Causes.																																						
Group Total	14	....	..	..	1	1	..	..	1	3	2	2	2	1	1	..	..	13	1	....	10	4	....	8	6	....	..	..	2	1	3	..	4	2	..	2	..	..
120. Suicides	2	....	..	..	..	..	..	..	..	....	1	..	1	..	..	..	..	2	....	....	1	1	....	1	1	....	..	..	2	..	..	..	..	..	..	..	..	..
121. Fractures and Dislocations	1	....	..	..	..	..	..	..	..	1	..	..	....	..	..	..	..	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	1	..	..	..	..
122. Burns and Scalds	2	..	..	..	1	1	..	..	..	....	..	..	....	..	..	..	..	1	1	...	2	....	....	2	....	....	..	..	..	..	..	..	2	..	..	..	..	..
124. Drowning	4	....	..	..	..	..	..	..	1	1	..	..	1	..	1	..	..	4	....	....	1	3	....	2	2	....	..	..	..	..	1	..	2	1	..	..	..	..
127. Other Accidental Traumatisms	5	....	..	..	..	..	..	..	..	1	1	2	....	1	..	..	..	5	....	....	5	....	....	2	3	....	..	..	..	1	2	..	..	..	..	2	..	..
XIV.—Ill-Defined Diseases.																																						
Group Total	8	2	..	..	..	..	..	..	..	..	..	..	....	2	2	2	..	2	6	....	5	3	....	2	6	....	1	..	1	..	1	1	..	1	1	..	2	..
130. Dropsy	1	....	..	..	..	..	..	..	..	....	..	..	....	1	..	..	..	....	1	....	1	....	....	....	1	....	..	..	..	..	1	..	..	..	..	..	..	..
131. Heart Failure	4	....	..	..	..	..	..	..	..	....	..	..	....	1	2	1	..	2	2	....	2	2	....	....	4	....	1	..	1	..	..	..	..	1	1	..	..	..
133. Unknown causes	3	2	..	..	..	..	..	..	..	....	..	..	....	..	..	1	..	....	3	....	2	1	....	2	1	....	..	..	..	..	..	1	..	..	..	..	2	..
XV.—Still-Births.																																						
134. **Group Total**	5	5	..	..	..	..	..	..	..	....	..	..	....	..	..	..	..	3	2	....	5	....	....	5	....	....	1	..	1	..	2	..	..	..	..	..	1	..

Twenty-Eighth Annual Report

OF THE

Provincial Board of Health

OF

Ontario, Canada

FOR THE YEAR

1909

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
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1910

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WILLIAM BRIGGS,
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TORONTO

To His Honour John Morison Gibson, K.C., LL.D.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour,—I herewith beg to present for your consideration the Twenty-eighth Annual Report of the Provincial Board of Health for the year 1909.

Respectfully submitted,

W. J. Hanna,
Provincial Secretary of Ontario.

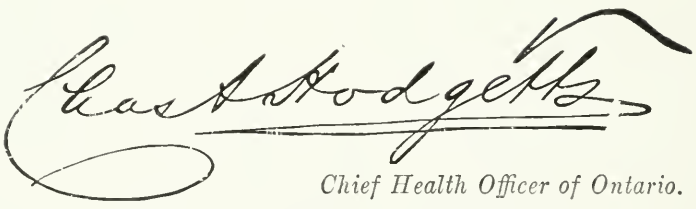
To Honourable W. J. Hanna,
Provincial Secretary of Ontario.

Sir,—I have the honour to submit for your approval the Twenty-eighth Annual Report made in conformity with and under the provisions of the Public Health Act for the year 1909.

I have the honour to be,

Sir,

Your obedient servant,



Chief Health Officer of Ontario.

PROVINCIAL BOARD OF HEALTH OF ONTARIO
1909.

Minister in Charge of the Department.

HON. W. J. HANNA,
Provincial Secretary

Members.

CHARLES SHEARD, M.D., M.R.C.S., Eng., M.H.O., *Chairman* ..... Toronto
MILTON IRA BEEMAN, M.D., M.H.O. ..... Newburgh
JOHN WILLIAM SCOTT MCCULLOUGH, M.D. ..... Alliston
WILLIAM ROBERT HALL, M.D., M.H.O. ..... Chatham
CHARLES ALFRED HODGETTS, M.D., L.R.C.P., Lond. ..... Toronto
Secretary and Chief Health Officer of Ontario.

Bacteriologist in charge of Laboratories.

JOHN A. AMYOT, M.D.

Branch Laboratory—Kingston.

W. T. CONNELL, M.D.

Medical Inspector.

R. W. BELL, M.D.

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Resume of the Transactions of the Board

For the Year ending December 31st, 1909.

BY THE SECRETARY.

During the fiscal year ending October 31st, 1909, the Board held three regular and one special meetings. One session of the latter was convened in the town of Lindsay, when the Board inspected the water purification plant, which had recently been installed by the Board of Water Commissioners.

Applications were received from the municipalities of Burlington, Markdale and Weston for the approval of plans for public water supplies. The Engineer's Reports and Reports of the Medical Inspector thereon will be found on pages

The source of supply for Burlington was by means of a collecting well or gallery situated on the sandbar lying between Lake Ontario and Burlington Bay, while that of Markdale is from a creek at present uncontaminated. The Weston supply will be taken from the Humber River, sedimented and subsequently filtered. All three plans were approved of by the Board.

Two municipalities, Cobalt and Rainy River, submitted plans for both waterworks and sewerage systems. The Cobalt plans were approved of by the following resolution:—"That the water supply of the Town of Cobalt, as per plans submitted, taking supply from Lake Sassaginaga with filtration be approved by the Board. Also that the sewerage system of the said town, as per plans submitted, be approved."

The Secretary having made a personal visit to the town of Rainy River reported verbally upon the propositions. They were approved of in the following resolution:—"That both the waterworks and sewerage plans of the town of Rainy River be approved of and the powers of sec. 30, s.s. 6, of the Public Health Act be given the municipality in respect to pollution of the waters of Rainy River to the shores of the same as far as the easterly limit of the Manitou Reserve, and to all creeks and rivers tributary thereto within the said limits of Rainy River."

The plans submitted by the City Council of the City of London in respect to a series of Artesian wells, the waters of which are to supplement the present supply, were duly considered, together with the laboratory findings of a series of specimens collected by an officer of the Board, and were approved.

The plans received from the Councils of the following municipalities for the construction of sewerage systems were approved of:—

New Toronto.—See Engineer's report. These plans provided for a disposal plant at outfall.

North Toronto.—Provisional plans, including disposal plant, as however ratepayers had not as yet taken final action thereon, the details are not published.

For various reasons there is a greater interest being taken in the construction of Sewage Disposal plants, and the Board approved of those of St. Thomas, Palmerston, Stratford and Guelph. In regard to the plans of the latter, they were approved of by the following resolution:—

"That the Board do approve of the plans submitted by the City of Guelph regarding the Disposal of Sewage on the understanding that in carrying out these plans precaution will be taken to so elevate the tanks and filter beds as to place them beyond danger of flooding during river freshets, and that underdrainage will be provided at all times; that the tank sludge will be regularly and carefully removed from tanks and so treated at the time of removal by lime or otherwise as to prevent its causing a nuisance."

The application of the town of Barrie for approval of a plan of sewers for the newly added portion of the municipality was referred back, and was subsequently amended so as to provide for the tankage of the effluent before being discharged into the waters of Lake Simcoe. The amended plans were approved. The plans of the sewerage system of the town of Dunnville were approved of with additions.

The town of Burk's Falls installed some years ago a waterworks system which was not formally approved of by the Board. The water having proved of an unsatisfactory character the municipality appealed to the Board for expert assistance to suggest what could be done to improve the same, and the report of Mr. T. Aird, C.E., upon the subject will be found in page 72.

The work of the office of the Secretary for convenience of discipline may be divided into

(*a*) Medical Inspection.
(*b*) Laboratories.
(*c*) Experimental.
(*d*) Educational.

The medical work is performed chiefly by Dr. R. W. Bell, who personally visits a municipality when the occasion arises, his work brings him closely into touch with municipal authorities, and many are the local difficulties which are smoothed out and effectively settled by his good tact and wise counsel. The doctor's chief reports will be found in the body of the report.

The Laboratories in the sphere of routine work are year by year doing an increasing amount of work. The demands upon the Toronto Laboratories, both Chemical and Bacteriological, have very largely increased during the past few years, as will be seen by the report of Dr. Amyot, while in the chemical division the work of Dr. Nasmith in respect to the examination of specimens for the License Department, with the special work performed from time to time for other branches of the service, have altogether apart from the work relating to water and sewage specimens, been of great value to the Province.

The experimental plant, which work is being carried on in respect to water filtration and sewage treatment, has, after considerable and altogether unavoidable delays been placed in running order under the immediate oversight of an engineer. It will, however, be some time before any report of marked interest to municipal authorities along the lines of water filtration and sewage treatment can be made. The work is the first of its kind to be carried on in Canada, and a large amount of important and interesting information will in the near future be available here.

Considering the small number of clerks employed in the office of the Board the distribution of sanitary literature has been considerable, and local health authorities are now appreciating the value of the pamphlets relating to contagious diseases. During the year many thousands of pamphlets relating to Measles, Scarlet Fever, Smallpox, Vaccination, Whooping Cough, Typhoid Fever, Diphtheria and

Consumption have been sent out to Local Boards of Health for general distribution, and it is found that this method of educating the public in the presence of a threatened outbreak of a particular disease not only meets with the approval of the public but is being made use of by Local Boards of Health, and fully warrants the action of the Provincial Board in the preparation and free distribution of such literature.

The Tuberculosis Exhibit continues to be an important factor in the educational work now going on in the Province. The important points visited during the year were Galt, Guelph, Alliston, Creemore, Hamilton and St. Catharines. It was also a prominent feature during the meetings of the International Congress of the Council of Women, which convened in the City of Toronto, and by request it was opened during the Tenth Canadian Conference of Charities, held also in the City of Toronto in the month of October.

The local medical practitioners have given addresses to the school children and the general public, and the lantern with the several hundred slides has been of inestimable value in educating both old and young in regard to the white plague, its extent, its cause of dissemination, its prevention and the many methods of dealing therewith, while three special pamphlets relating to the disease have been freely distributed. During the meeting of the Congress of the International Council of Women the exhibit was open for two weeks in rooms specially set apart for that purpose by the local committee, and attracted a large number of visitors. Especial interest was shown by the President, the Countess of Aberdeen, who expressed her great pleasure at the completeness of the exhibit and the manner in which it was set up.

Unfortunately, at the time of the fire in the Parliament Building, a large number of the pictures and illustrations were destroyed by water, and for some months the exhibit was out of commission.

CHAPTER 85.

An Act to Amend the Public Health Act.

(*Assented to April* 10, 1909.)

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat. c. 248, s. 13 amended.

1. Section 13 of *The Public Health Act* is amended by striking out the words "Whenever this Province or any part thereof or place therein appears to be threatened with any formidable epidemic, endemic, or contagious disease, in man or animals."

Sec. 57 amended.

2. Section 57 of the said Act is repealed and the following substituted therefor:

Payment of accounts certified by board.

57. The treasurer of the municipality shall forthwith, upon demand, pay out of any moneys of the municipality in his hands the amount of any account for services performed under the direction of the board by virtue of this Act after a resolution of such board approving of the account and certified by the chairman and secretary thereof has been filed in the office of the treasurer of the municipality.

Sec. 103 amended.

3. Section 103 of the said Act is amended by striking out the words "smallpox, cholera, scarlatina, diphtheria, whooping cough, measles, mumps, glanders or other contagious disease" wherever they occur in the said section and substituting therefor the words "such infectious or contagious diseases as may be designated from time to time by the Provincial Board of Health."

Sec. 103 amended.

4. Section 103 of the said Act is further amended by adding the following subsection:

(2*a*) No child having suffered from such disease shall be allowed to attend school within the minimum time thereafter prescribed by the Provincial Board of Health respecting such diseases.

Schedules amended.

5. All the Schedules to *The Public Health Act* are hereby amended to conform with the provisions of this Act.

Report of the Secretary of the Monthly Morbidity and Mortality Statistics of Communicable Diseases as reported by Municipal Clerks for the Year ending December 31st, 1909.

Number of Divisions (Municipalities) Reporting.	Months.	Smallpox.		Scarlatina.		Diphtheria.		Measles.		Whooping Cough.		Typhoid.		Tuberculosis.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
731	January	122	0	322	16	341	42	42	2	83	14	72	24	158	151
745	February	183	0	348	18	238	32	23	8	125	15	64	26	146	131
750	March	98	1	197	15	285	33	19	6	48	13	113	34	206	203
745	April	126	0	247	14	148	21	56	9	74	8	63	26	185	178
703	May	87	0	277	16	186	34	140	20	68	14	66	25	175	169
735	June	60	0	266	8	176	21	88	23	29	8	72	22	154	151
481	July	19	0	251	18	156	24	45	18	46	9	126	18	128	104
697	August	22	0	257	14	158	18	39	11	73	18	432	50	139	133
713	September	8	0	248	16	176	28	59	6	47	17	793	102	127	110
753	October.	10	0	280	14	217	35	103	20	62	11	310	98	160	153
714	November	90	0	353	19	245	35	132	10	27	6	315	58	130	120
608	December	49	0	415	21	309	63	129	1	50	11	109	35	133	120
		874	1	3,461	189	2,635	386	857	134	732	144	2,535	578	1,841	1,723

THE TUBERCULOSIS MOVEMENT.

By Chas. A. Hodgetts, Chief Health Officer.

During the year progress has been made in at least two of the cities of the Province, in the erection of buildings for the care of consumptives.

In the City of St. Catharines a movement was begun during the Fall of 1908 to establish an institution to take care of consumptive patients, and, under certain conditions, the Daughters of the Empire offered to lend their support and to help to collect money to build an institution. They immediately met with marked success, and the City Council passed a By-law authorizing a Sanatorium and appointed a Board of Trustees, consisting of seven ratepayers of St. Catharines, to take entire charge of the running of the same.

The property known as the Collier Homestead, overlooking Lock 5 of the old Welland Canal, was purchased, together with the adjoining six and one-half acres of land, and the work of rebuilding the old house was commenced about May 1st, 1909. On October 19th the Sanatorium was opened by the Honourable W. J. Hanna, Provincial Secretary.

Applications for admission began immediately to come in, and December 7th there were nine patients in residence. The capacity of the institution is fifteen beds, and from information received it would appear that the Board is already considering the advisability of erecting shacks.

The total expenditure upon the present building and ground has been in the neighbourhood of $10,000, while the furnishings have been contributed by the Daughters of the Empire. The entire cost has been paid for by private subscription and is entirely free from debt.

The main building consists of nurse's and maid's rooms, bathroom, office, consulting room and separate dining rooms for patients and staff. Also laundry, fumigating room and kitchen are on first floor. On the second floor there is one large and three small wards with bathroom convenience, two large verandahs enclosed with movable sash, so that they may be used as open-air bedrooms.

The staff consists of a trained nurse as matron and a maid, with two years' previous experience in a Sanatorium, and a caretaker.

The milk and eggs used for patients are the products of the institution, and next Spring it is contemplated that all vegetables will be grown on the grounds.

The Board of Trustees is as follows:—R. W. Leonard, Chairman; A. W. Taylor, Secretary-Treasurer; J. H. Ingersoll, J. A. McSloy, J. D. Chaplin, G. J. Armstrong, W. D. Woodruff.

For the accompanying illustrations I am indebted to A. W. Taylor, to whom I am also indebted for an account of the work.

The progress of the work in Ottawa is very concisely stated in a report furnished by the Secretary of the Ottawa Anti-Tuberculosis Association, as follows:

"In Ottawa the effort to do something to combat the ravages of the Great White Plague began under two organizations.

"1st. The Ottawa Auxiliary of the National Sanatorium Association, which was organized at a meeting held in the City Hall, September 28th, 1904, its purpose being:

"(*a*) To assist generally in all work having in view the prevention of Tuberculosis.

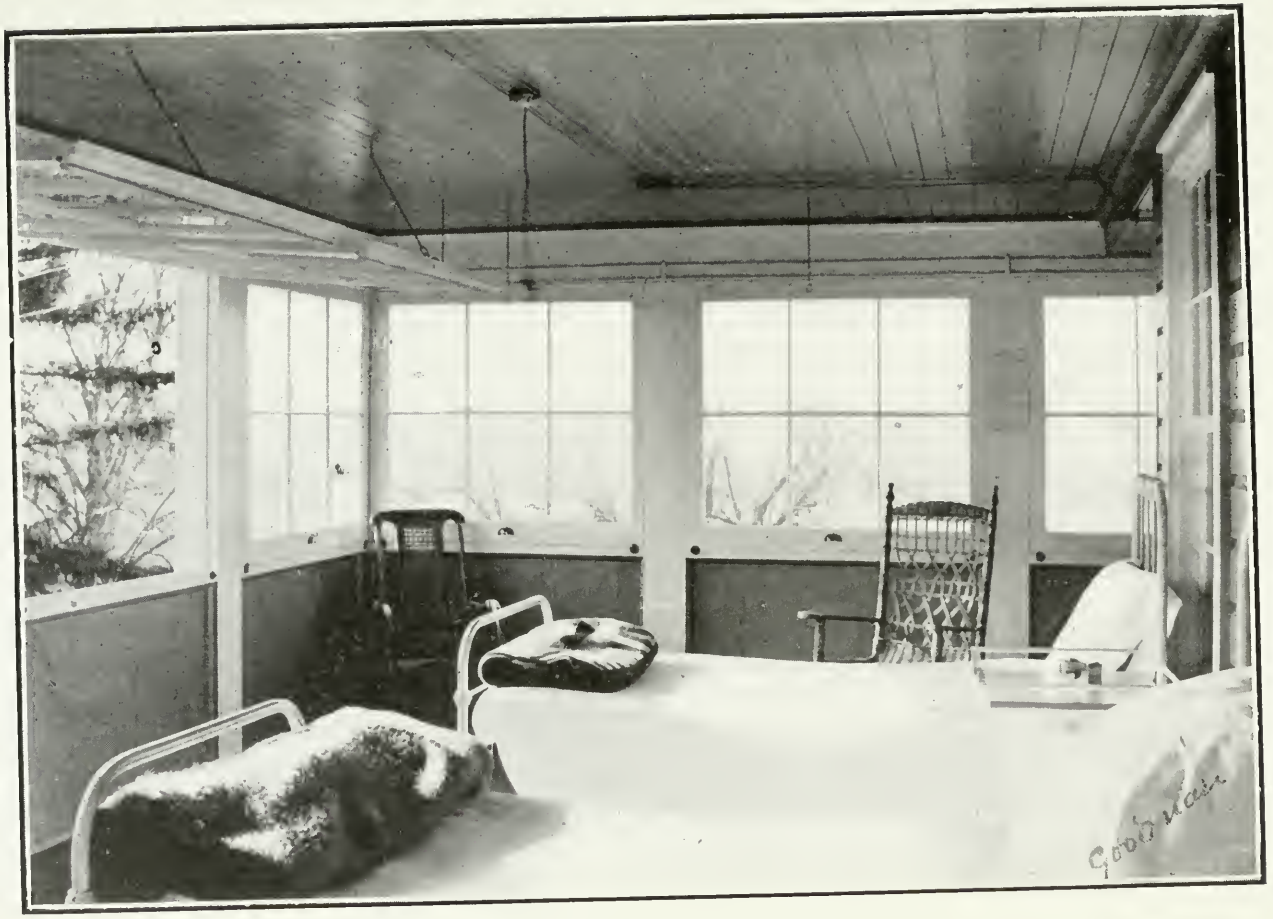
"(*b*) The transference to, and maintenance at Gravenhurst and Weston, near Toronto, of consumptive patients from Ottawa who may be unable to pay either

St. Catharines Sanatorium.

St. Catharines Sanatorium.

St. Catharines Sanatorium,

St. Catharines Sanatorium Cottage.



St. Catharines Sanatorium.

St. Catharines Sanatorium.

St. Catharines Sanatorium.

in whole or in part for their own maintenance and who may be properly recommended. These patients to be accommodated either in a pavilion to be erected or in the existing hospitals of the National Sanatorium Association.

"2nd. The Ottawa Association for the Prevention of Tuberculosis, whose object is given in its constitution, to carry out practically in the City of Ottawa the principles and aims stated in the Constitution of the Canadian Association for the Prevention of Tuberculosis, particularly in the following manner:

"(*a*) To co-operate with the Health Officer and the Board of Health in enforcing all sanitary regulations which aim at the prevention of Tuberculous infection; to promote the passing of such further regulations as may be needed to preserve the milk and other food supplies from contamination, and to seek such further regulations as to public institutions, houses and persons affected by the disease as may be found necessary to cope with it effectually.

"(*b*) To bring about such co-operation of the government, municipality, philanthropic and other organizations and individuals as shall enable the City of Ottawa to utilize all the powers given by legislation and, if necessary, to seek further legislation embodying preventive measures and providing all necessary facilities for the proper treatment of patients suffering from consumption and other forms of Tuberculosis in any form and at any stage, such provision to consist of a sanatorium together with such infirmary, hospital or other accommodation as shall be found necessary.

"(*c*) To make such arrangements with the churches, benefit societies, philanthropic and other institutions and individuals, as shall provide an annual income sufficient to supplement the grants from the government and other municipality to such an extent that all the advantages provided shall be open to the poor.

"(*d*) To co-operate with similar associations in other localities in an effort to combat the scourge of Tuberculosis throughout the Dominion of Canada.

"These two organizations entered upon their work with great earnestness; the first by the selection and transference of cases in the earlier stages for treatment at Gravenhurst and those more advanced at Weston; the second by (*a*) the appointment of a visiting nurse to visit the homes of those suffering, give instructions as to precautionary measures, distribute sputum cups and generally to advise for the comfort of the suffering and the safety of those associated with them; (*b*) urging upon the Board of Health the more thorough enforcement of the By-law against spitting on the sidewalks and in public places, and having placards respecting this placed conspicuously throughout the city; (*c*) petitioning for a better supervision of the milk and food supplies; (*d*) with the permission of the School Trustees the distribution of literature of an educative nature through the schools of the city.

"In carrying on their work the greatest harmony prevailed between the two organizations, each turning over to the other cases which more immediately came within their province, but the existence of two organizations apparently combating the same disease was a little confusing to the public; accordingly in 1907 the two organizations came together under the name of the Ottawa Anti-Tuberculosis Association, with the happiest results. Great use has been made of the opportunity of sending cases to Gravenhurst and Weston, and in many of these with most satisfactory results to the patient, but in all with great benefit from an educative point of view to those associated with them. The appointment of a Visiting Nurse has been a great success. Caution in procedure was necessary. The step was a new one, and the entrance of a nurse into the home might have been resented as an intrusion, but in the choice of our nurses we were singularly fortunate; with tact and kindliness they made their way until now, four years after, the visit of our

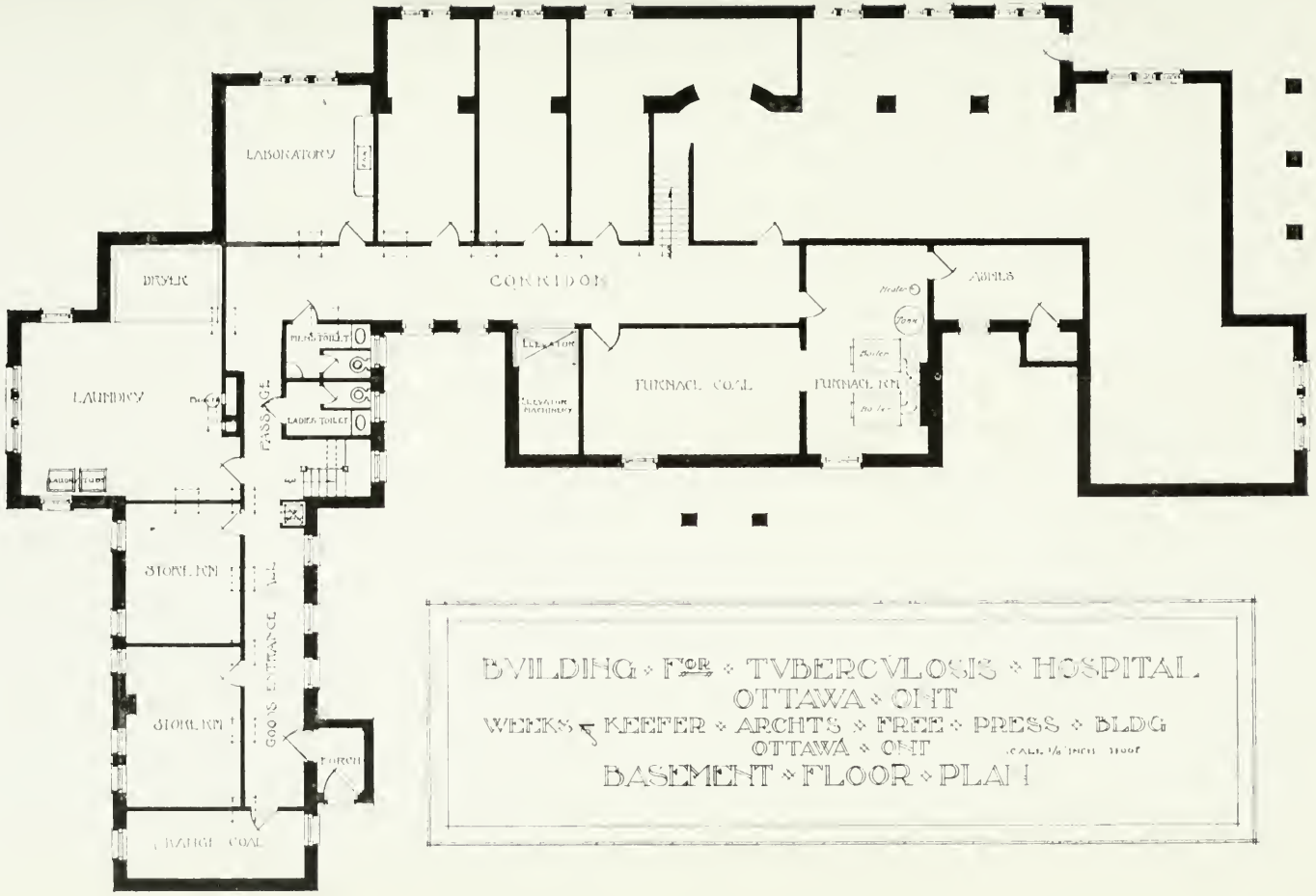
nurse is eagerly looked for, and no door is barred against her. The Board of Health cordially endorsed our application for a more thorough enforcement of the anti-spitting by-law, and after a few convictions the streets, etc., presented a very different appearance. They also acted upon our petition for a better supervision of the milk and food supplies, providing a special inspector to test the milk and inspect the herds and stables from whence it comes, and a better qualified market inspector. As regards the milk and meat supplies, Ottawa now stands in a very good position. The privilege of putting educative literature into the hands of the school children we attach great value to. What, under other circumstances, would probably be consigned to the waste paper basket when taken home by the children, with a word from their teacher has more chance of being read and thought over.

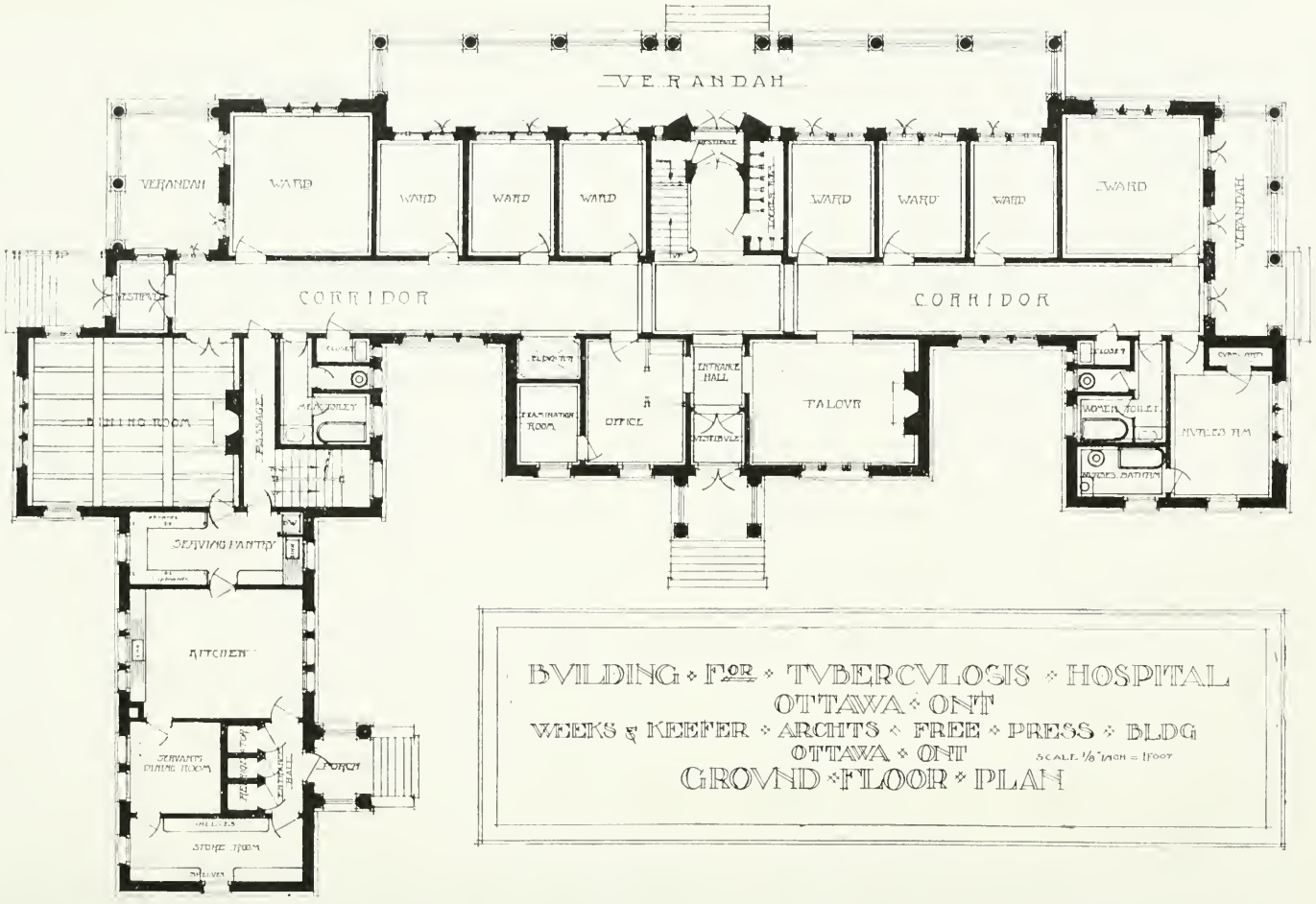
"It will not be surprising if the work thus organized soon broadened and new requirements presented themselves. Thus, though Gravenhurst and Weston provided an open door for those who could travel, it was soon found there were many whom it would be desirable to remove from their homes, but who were too advanced in the disease to travel any distance. The local hospitals did not want them, and it was only after very earnest solicitation, the Sisters at Water Street placed two wards of three beds each at our service. For this the Association shall be very grateful. Then the need for a place where information could be received and patients examined began to grow; in other words, the need for a Dispensary. At this point the May Court Club, who had been plenteously providing milk, eggs and clothing for distribution by the nurse, came forward and offered to provide such a place and for nearly two years we have had a Dispensary, open three days a week, attended by the medical men of the city, and equipped and maintained entirely by the May Court Club, from which the greatest benefit has been derived. The accommodation provided by the Sisters of Water Street Hospital could only be of a temporary nature; besides, as the work grew, six beds were in no way sufficient for our requirements, consequently steps were taken to secure a building suitable for our needs. Obstacle after obstacle was placed in our way. Tired out with frustrated efforts the Association approached the City Council and submitted that if the City Council would find a site and maintenance for the Hospital the Association would put the building up and equip it. The suggestion was adopted, but delay after delay over a site took place until one of Ottawa's public-spirited ladies put a free site at the service of the Association. This site did not meet with the approval of the Council, but it brought a definite offer of a site from them, and on which a Hospital for 45 beds is now erected, which the city is pledged to maintain for all time, under the joint management of the City and the Association. A most delightful feature in connection with this building is the readiness with which the citizens provided the money for construction and funds for its equipment. Another interesting feature of the work is the way in which help to the needy has been provided. Through the May Court the nurse has been able to distribute eggs, milk, medicine and clothing where needed, and through the Ladies' Visiting Committee the poorer families have been cared for and relieved, some from the pinching cares of poverty and others from the wearing anxiety of arrears of rent and poorly-clad children."

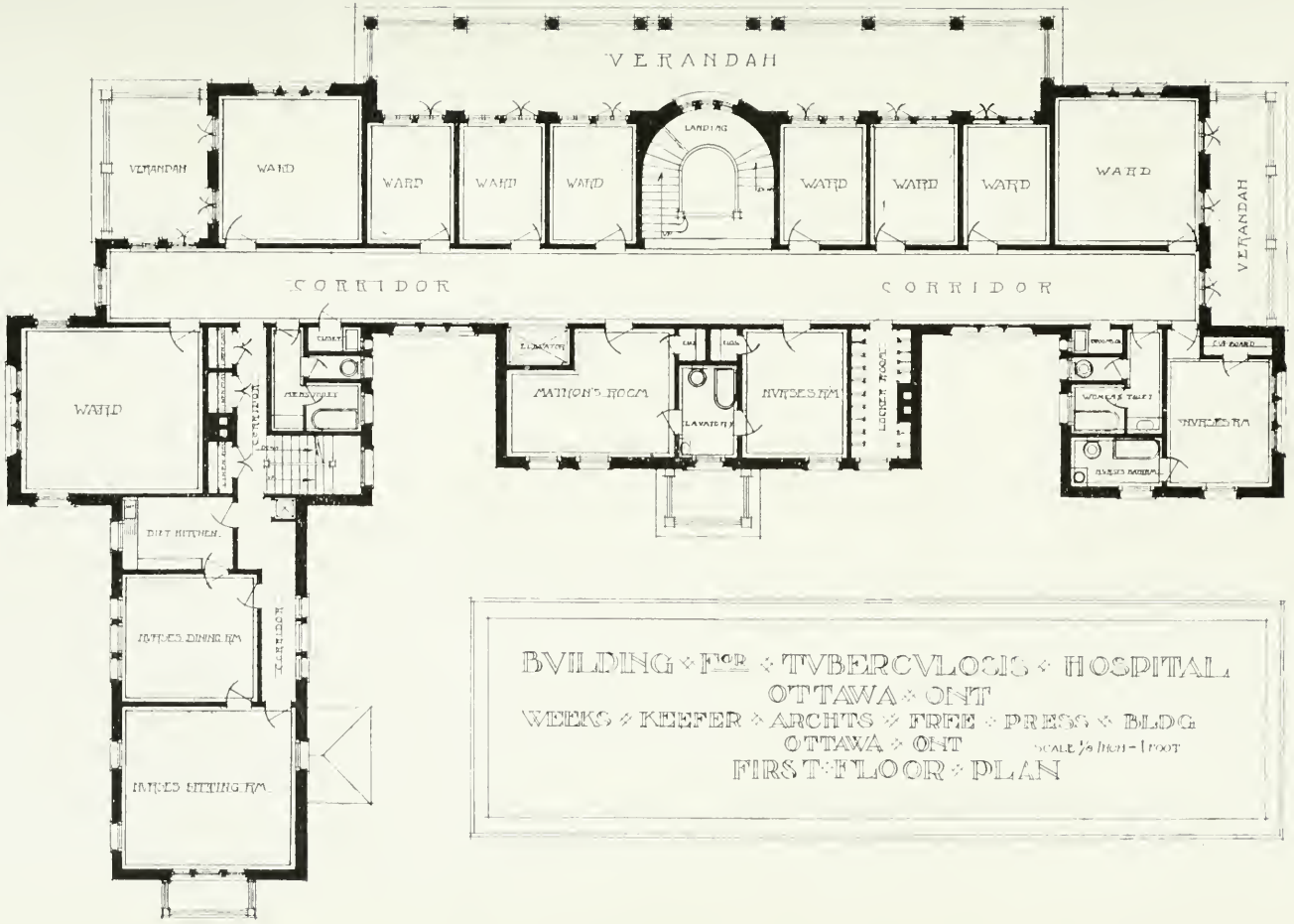
Description of Building for the Ottawa Anti-Tuberculosis Association.

Weeks & Keefer, Architects.

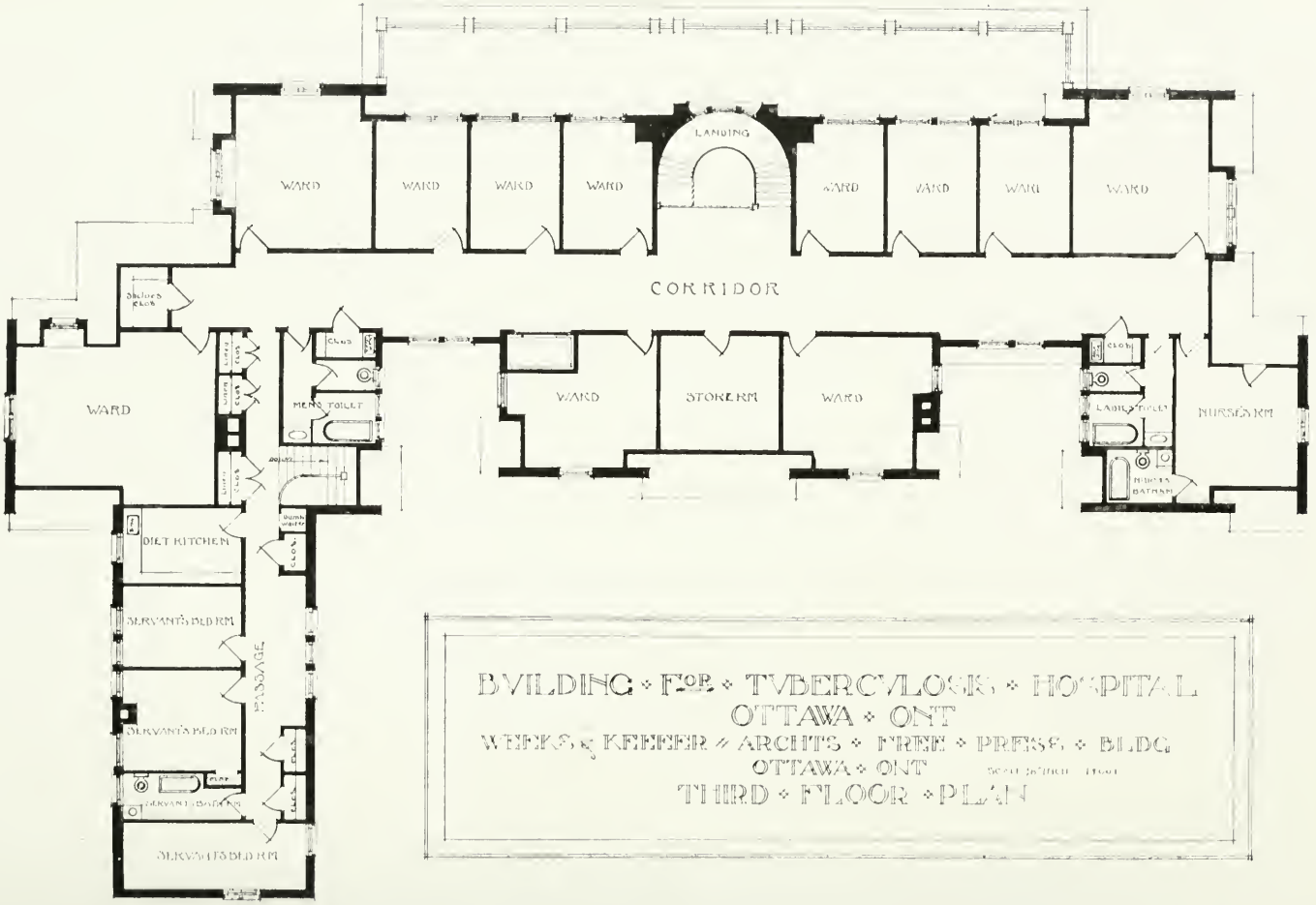
When it was first proposed to erect a building in Ottawa to accommodate the various tuberculosis patients, the question of type of plan was one that was discussed


LABORATORY
DRYER
CORRIDOR
LAUNDRY
MEN'S TOILET
LADIES TOILET
PASSAGE
ELEVATOR
ELEVATOR MACHINERY
FURNACE COAL
FURNACE ROOM
Heater
Tank
Boiler
ASHES
STORE ROOM
STORE ROOM
GOODS ENTRANCE
PORCH
RANGE COAL
BUILDING · FOR · TUBERCULOSIS · HOSPITAL
OTTAWA · ONT
WEEKS & KEEFER · ARCHTS · FREE · PRESS · BLDG
OTTAWA · ONT
SCALE 1/8 INCH TO 1 FOOT
BASEMENT · FLOOR · PLAN


VERANDAH
VERANDAH
WARD
WARD
WARD
WARD
WARD
WARD
WARD
WARD
VERANDAH
CORRIDOR
CORRIDOR
VESTIBULE
VESTIBULE
BILLING ROOM
PASSAGE
MEN'S TOILET
ELEVATOR
EXAMINATION ROOM
OFFICE
ENTRANCE HALL
VESTIBULE
TALOVR
WOMEN'S TOILET
WOMEN'S BATHROOM
SERVING PANTRY
KITCHEN
SERVANTS DINING ROOM
PORCH
STORE ROOM
BUILDING FOR TVBERCVLOSIS HOSPITAL
OTTAWA ONT
WEEKS & KEEFER ARCHTS FREE PRESS BLDG
OTTAWA ONT
SCALE 1/8" INCH = 1 FOOT
GROVND FLOOR PLAN



BVILDING ✧ FOR ✧ TVBERCVLOSIS ✧ HOSPITAL
OTTAWA ✧ ONT
WEEKS ✧ KEEFER ✧ ARCHTS ✧ FREE ✧ PRESS ✧ BLDG
OTTAWA ✧ ONT SCALE ⅛ INCH = 1 FOOT
FIRST ✧ FLOOR ✧ PLAN



BVILDING ◦ FOR ◦ TVBERCVLOSIS ◦ HOSPITAL
OTTAWA ◦ ONT
WEEKS & KEEFER ARCHTS ◦ FREE ◦ PRESS ◦ BLDG
OTTAWA ◦ ONT
THIRD ◦ FLOOR ◦ PLAN

at length, and upon consideration of the various institutions throughout the country, it was finally decided to erect a building similar in plan and requirements to the Reception Hospital at Saranac Lake, New York, which institution had been pronounced entirely successful from every standpoint, and with this idea in mind it was thought advisable to follow the Hospital rather than the Sanitarium type.

The building is placed on an excellent sloping site, facing to the south and west and screened on the north by a grove of hardwood trees, offering ample protection in winter.

The plan of building is such that all wards face the south and open onto large verandahs, so that it is possible for the patients to pass directly to verandahs from each ward, the doors and windows being so arranged that practically the whole front of building may be thrown open and perfect natural ventilation obtained.

On each floor there are six single wards, each 10 feet by 13 feet, with two large wards, 20 feet by 18 feet at ends, and on the two upper floors the rooms immediately over the dining-room will be used for the more convalescent patients, so that, in all, it will be possible to accommodate from 42 to 46 patients. The main corridor, eight feet wide, extends from end to end of building, with large windows and doors at ends and courts, insuring perfect ventilation and light.

The nurses' rooms are placed at north-west corner, giving the necessary privacy and accommodation; the resident doctor's quarters being on second floor in the centre of building. Separate living and dining rooms are also provided for nurses on the second floor in service wing, this being entirely isolated from the patients. All servants' rooms are placed on the third floor above the nurses. Ample toilet accommodation is provided on each floor at both ends of main corridor, while the resident doctor, nurses and servants will have separate baths.

The ground floor provides for office, examining room and parlour convenient to main entrance.

The main dining-room, kitchens, pantries, servants' dining-room, cold storage, etc., being placed in the north-east wing. A diet kitchen is also provided on the second and third floors, connected with dumb waiter to serving pantry on ground floor.

The basement includes laundry, large store rooms, laboratory, trunk room, boiler room and coal storage.

The building is heated by hot water.

The exterior walls of building are of a hard local red brick, laid in white mortar with Indiana limestone trimmings. The general type of architecture following closely the modern English residential type. The verandahs and all exterior finish being painted white, giving a light cheerful feeling to the whole. The building has the advantage of a very beautiful location, which enhances the architectural effect and is sufficiently removed from all other buildings to give the necessary privacy and freedom for the patients.

The building, while not fireproof, has been constructed with every care to make it as slow-burning as possible, and ample provision has been made for egress of patients should occasion demand. Owing to its location on the outskirts of the city, a separate system of septic tanks was necessary for the disposal of sewage.

A very gratifying feature has been the quick time in which the contractors have delivered the building complete, the ground being broken in July and the building finished by the end of December.

For description of the building erected the writer is indebted to Weeks & Keefer, Architects, whose plans are also produced, as they will no doubt prove of interest to other cities contemplating the erection of buildings for similar purposes.

As requests are frequently made by local associations for plans for Patients' Quarters, the accompanying illustrations and plans are submitted, together with estimated cost of the same. It, however, must be understood that the cost of erection altogether depends upon the material used, cost of labour, etc.

The first illustrations are of buildings of the lean-to type, which type lends itself to cheapness of construction besides proving very serviceable and comfortable, whether adapted for either incipient or advanced cases.

It must not be forgotten that lean-to's require some system of ventilation, the open front not being sufficient. A circulation of air is provided for in various ways, such as side windows, ceiling ventilation or windows in the porch roof.

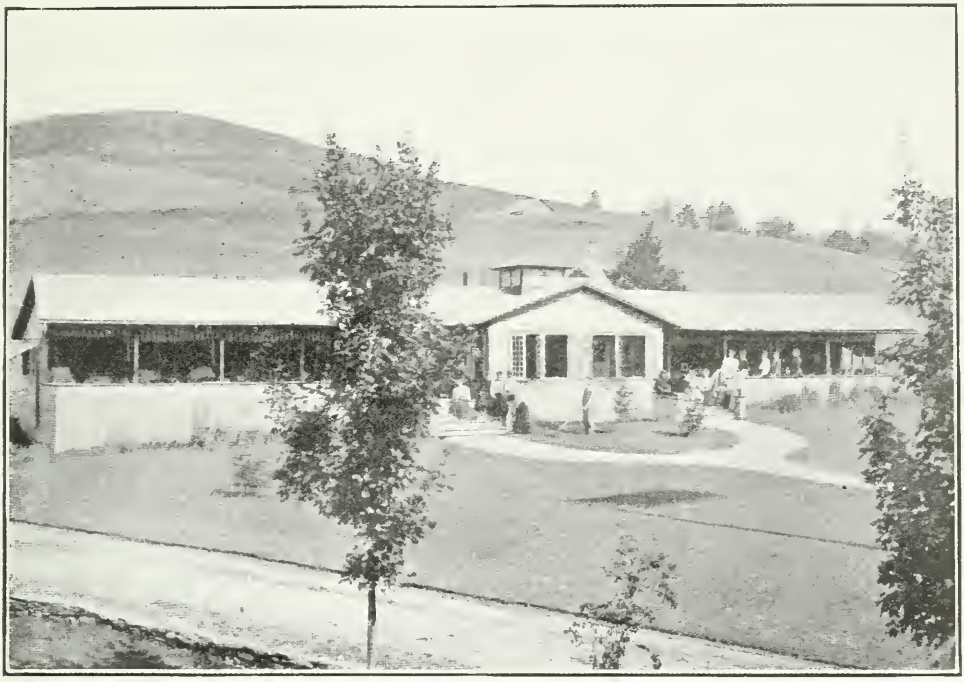
In the construction of the lean-to where plumbing is not to be installed, toilet convenience may be concentrated in a small central building.

In every case plenty of porch space should be allowed the patients.

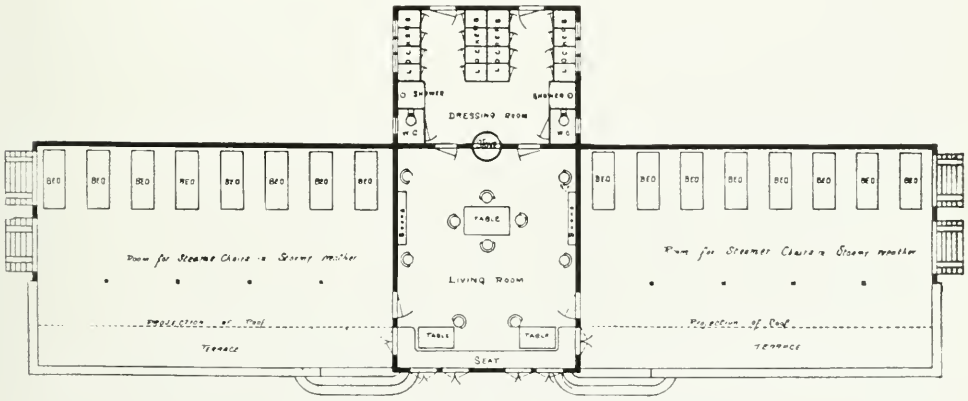
The accompanying cuts are taken from a very interesting and useful publication of the National Association for the Study and Prevention of Tuberculosis of the United States, and the various designers or architects are given due recognition for their plans, and the estimated cost in every case is that given in the publication above referred to. It must be remembered that this is a feature that must in every instance be subject to local cost of material and labourers' wages.

The second group of illustrations are of the cottage type. Where this class of building is used it meets the wants of that class of patients who are willing to pay for nursing attendance and housing. On the whole, they have been found very useful and, by many authorities, are preferred to tents.

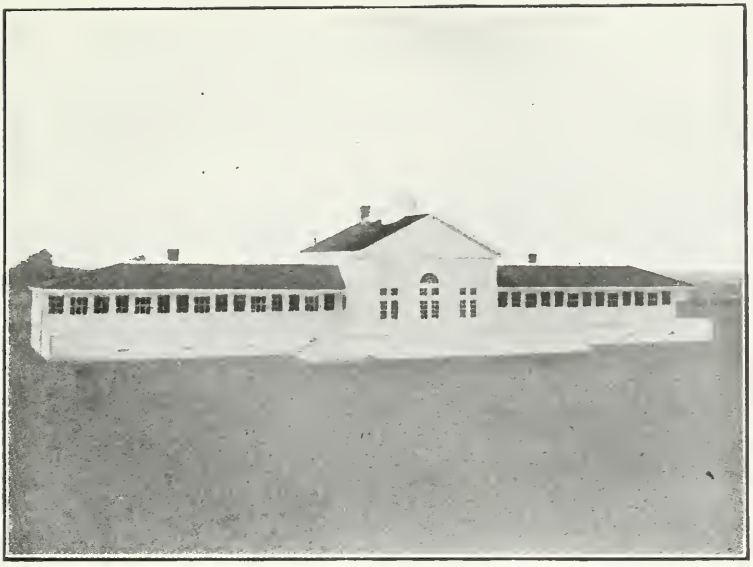
The third group consists of illustrations of two of the buildings upon the grounds of the Ohio State Sanatorium; they are of the latest and present many excellent features of construction and arrangement.



Loomis Sanatorium, New York.
Original Improved Lean-to, Designed by Dr. Herbert M. King.
Cost $1,830.



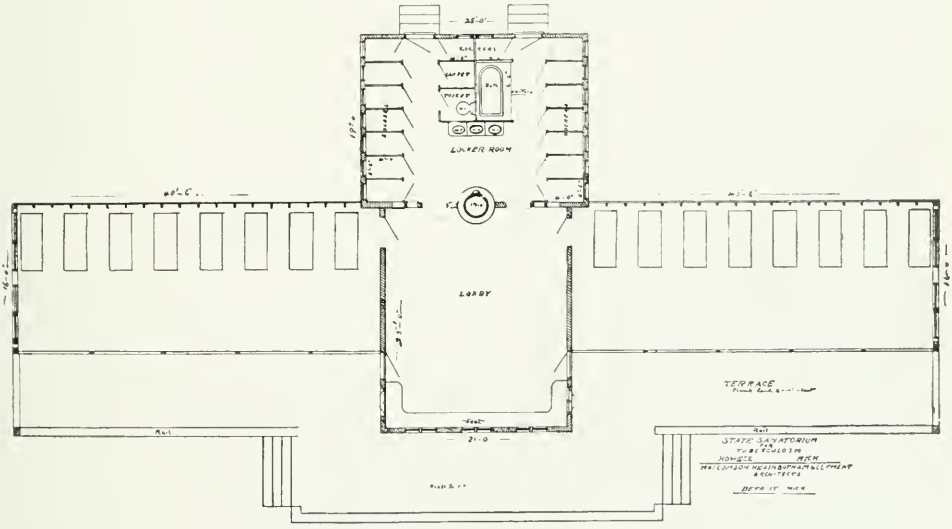
Loomis Sanatorium—Lean-to Floor Plan.



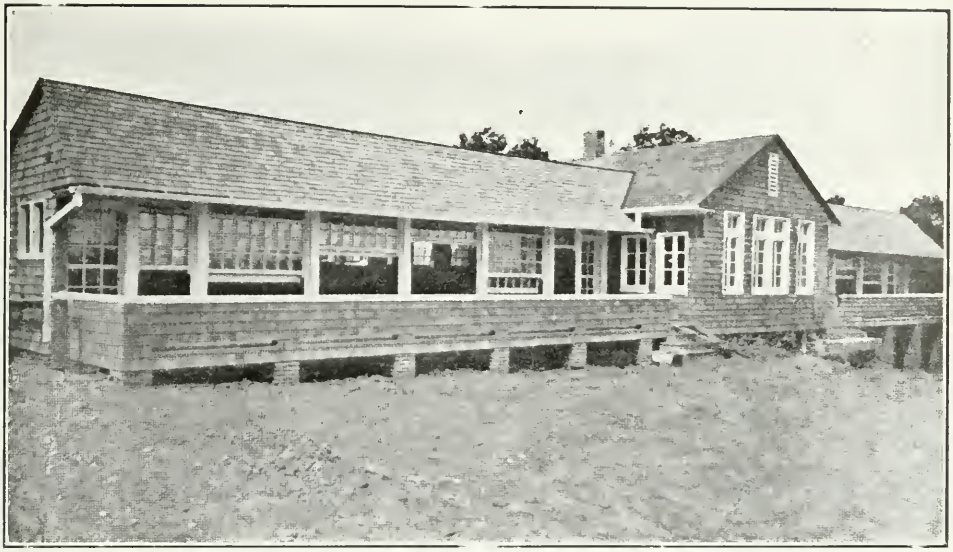
Michigan State Sanatorium—Lean-to.

Malcomson, Higginbotham & Clement, Architects.

Cost, $4,500. Capacity 16 Patients.

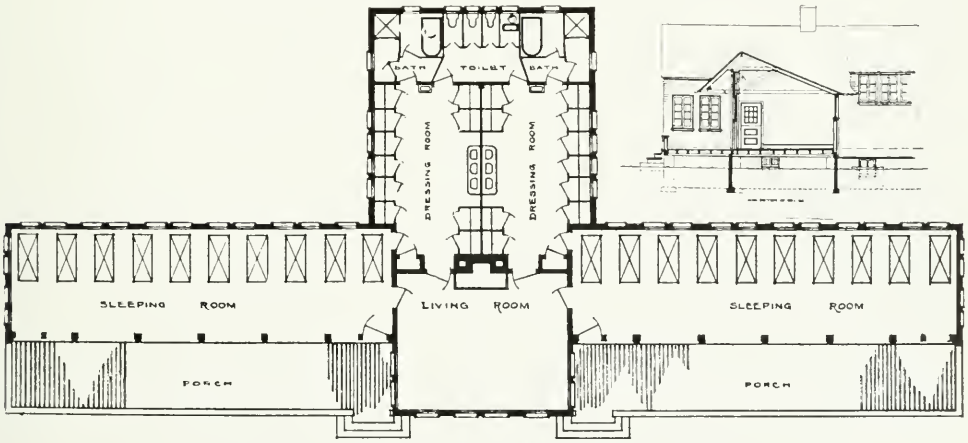


Michigan State Sanatorium—Lean-to Floor Plan.



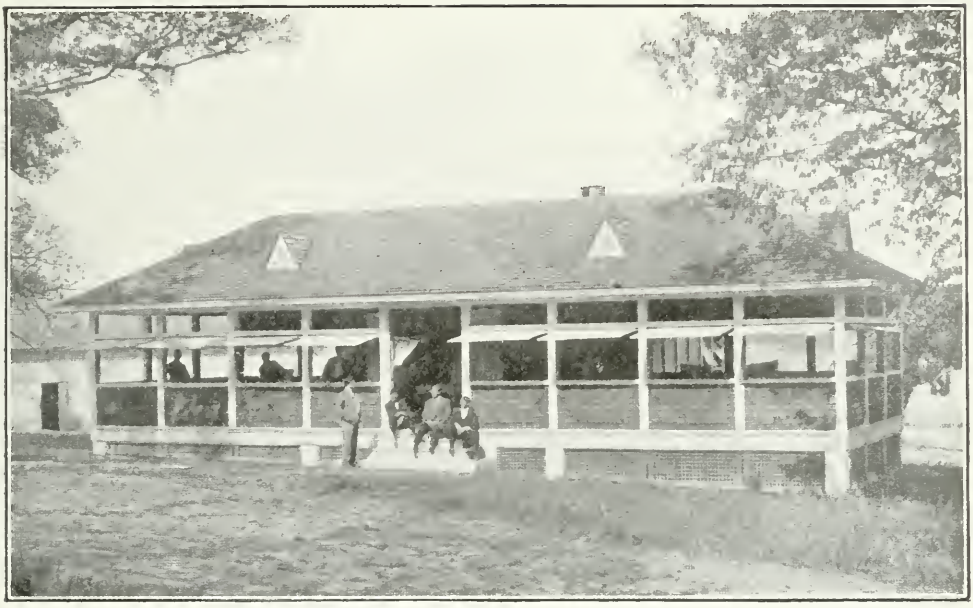
Maryland Tuberculosis Sanatorium—Lean-to for 20 patients.

Wyatt & Notting, Architects. Cost, Approximately, $7,000.

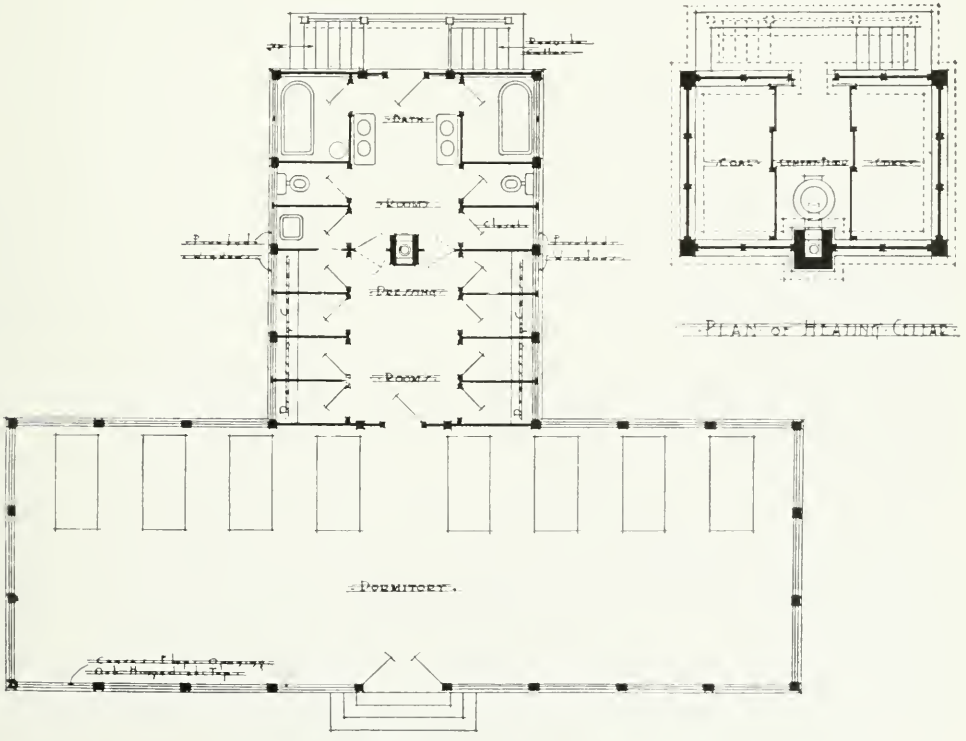


FLOOR PLAN OF SHACKS.

Maryland Tuberculosis Sanatorium—Lean-to Floor Plan and Side Elevation.



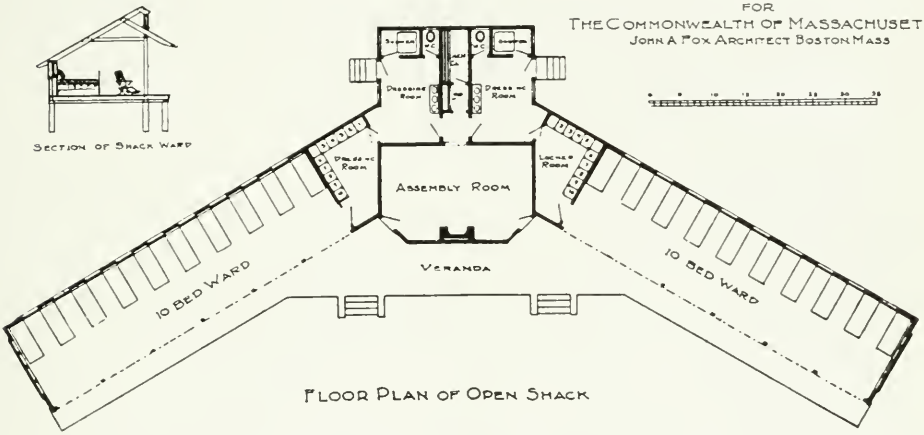
Eudowood Sanatorium, Maryland—Lean-to.
Archer & Allen, Architects.
Cost, $4,000. Capacity, 8 Patients.



Eudowood—Lean-to. Floor Plan and Heating Cellar.

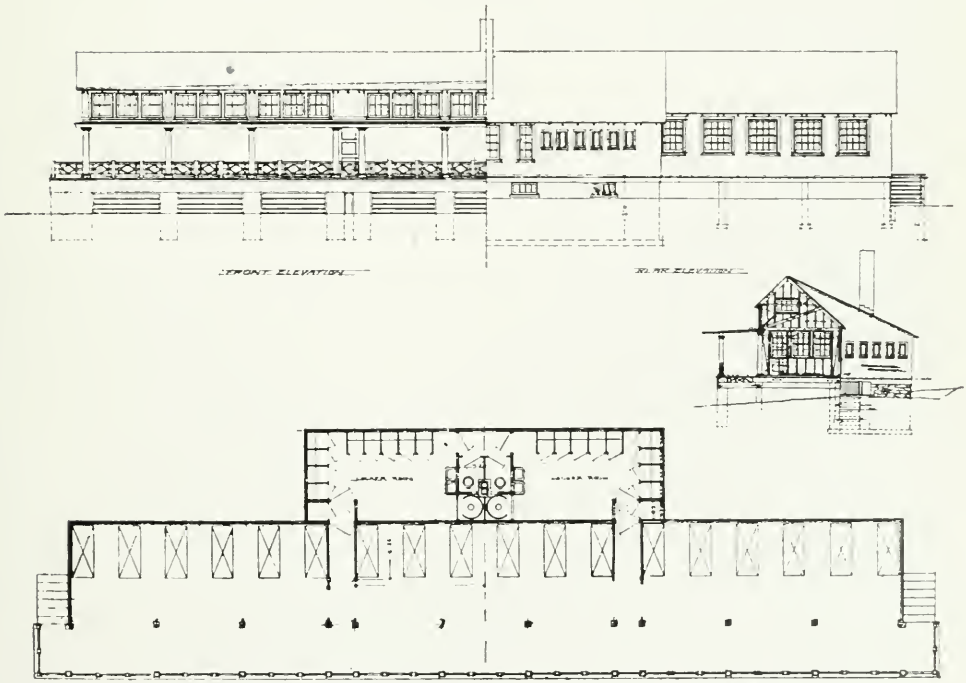
FRONT ELEVATION OF OPEN SHACK

THE MARTINS BROOK SANATORIUM
FOR
THE COMMONWEALTH OF MASSACHUSETTS
JOHN A FOX ARCHITECT BOSTON MASS



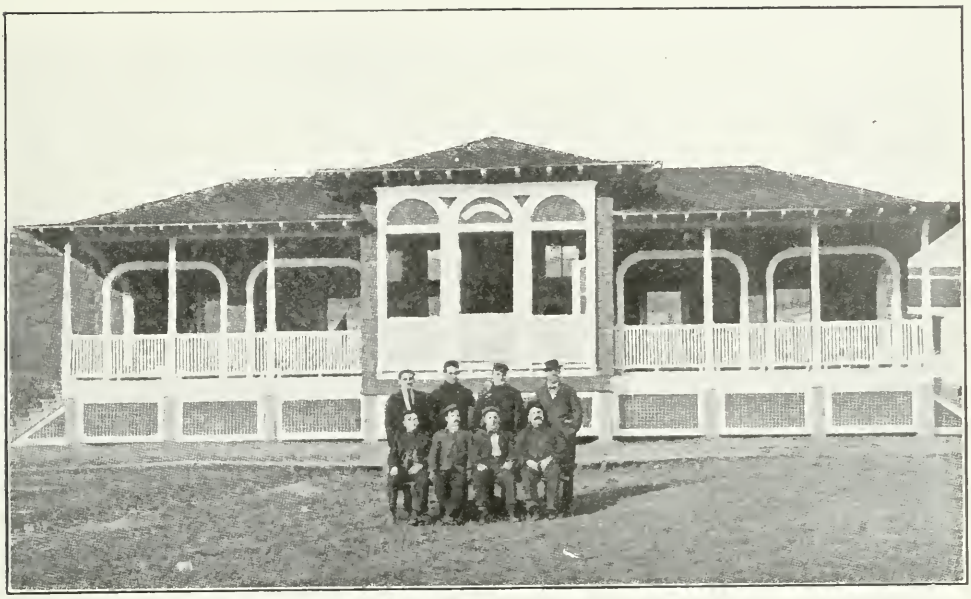
Martins Brook Sanatorium, Mass.—Lean-to for 20 Patients.

Jno. A. Fox, Architect. Cost, $3,500—$175 per Patient.

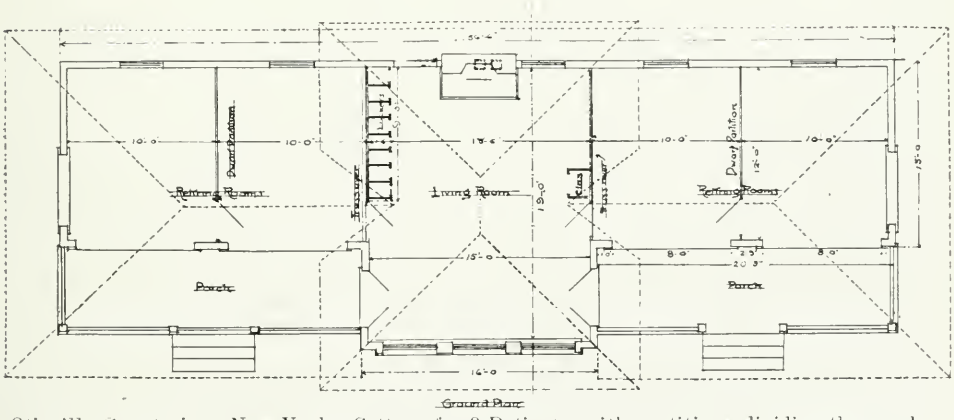


Otisville Sanatorium, New York—Lean-to for 18 Patients.

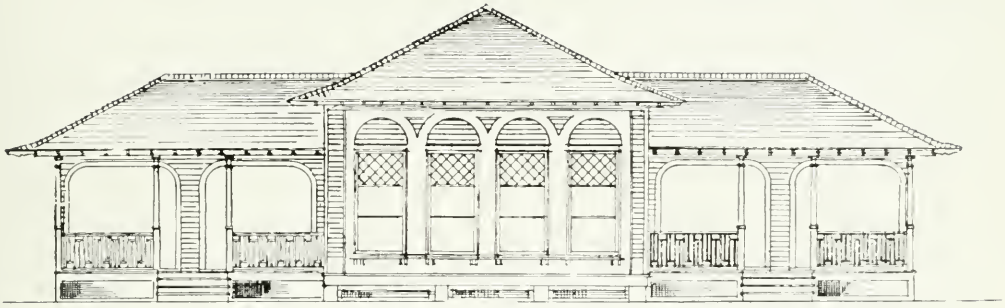
Estimated Cost, $4,400. Designs of the Department of Health;
John V. Van Pelt, Architect.



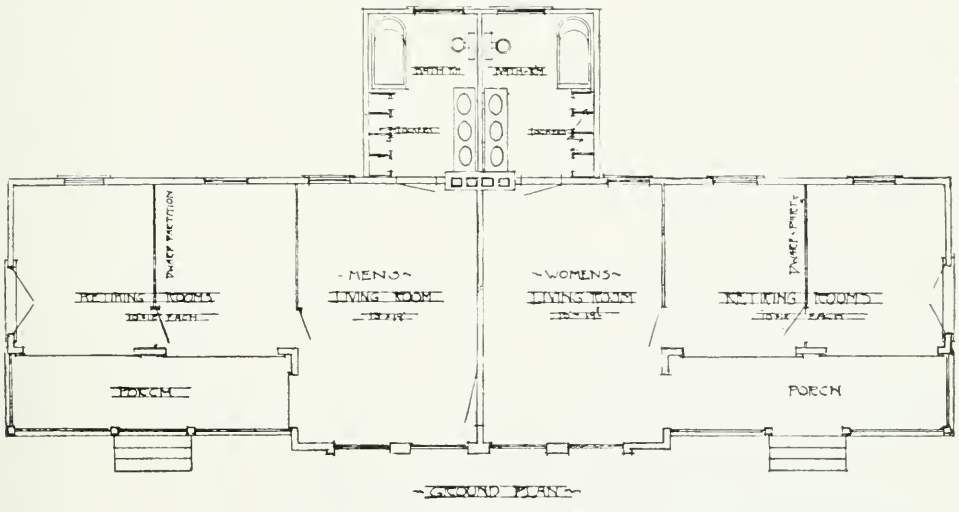
Otisville Sanatorium, New York—Cottage for Eight Patients.
Designs of the Department of Health.



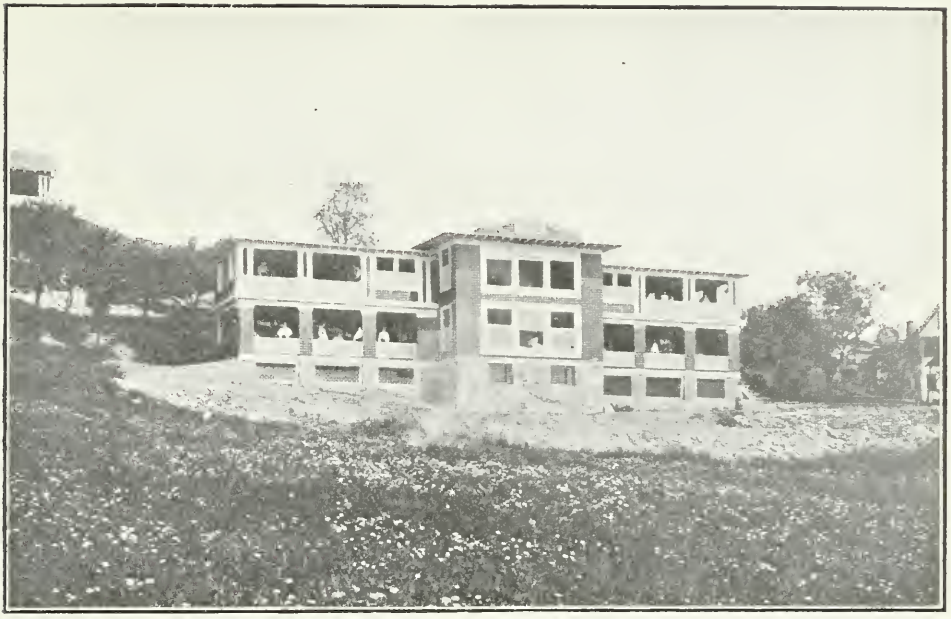
Otisville Sanatorium, New York—Cottage for 8 Patients, with partitions dividing the porches into small rooms for two persons. Cost, $1,200.



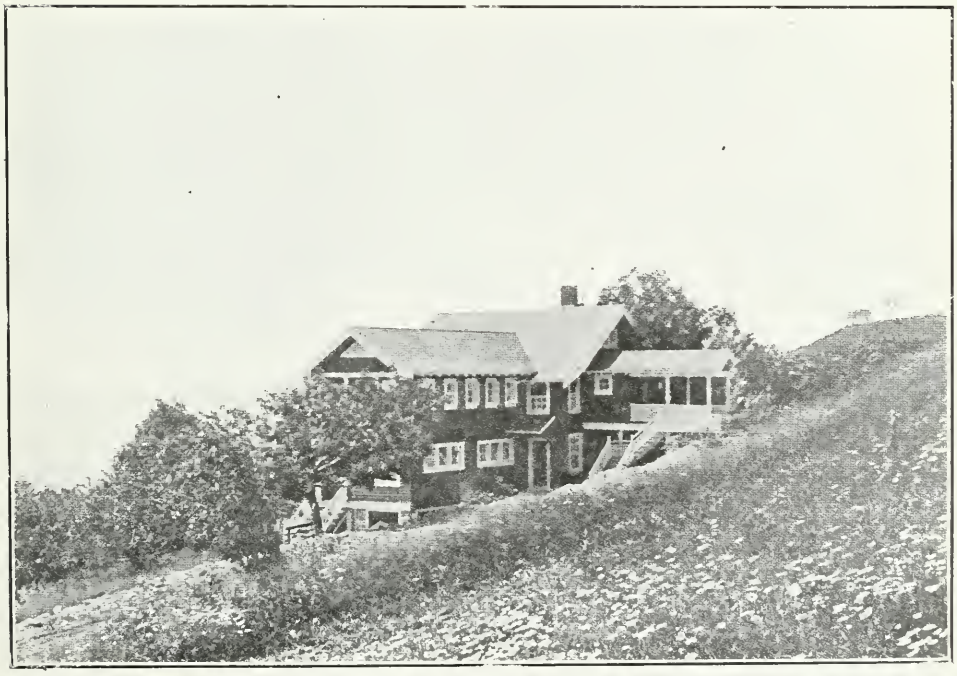
Otisville Cottage—Front Elevation of Modified Plan.



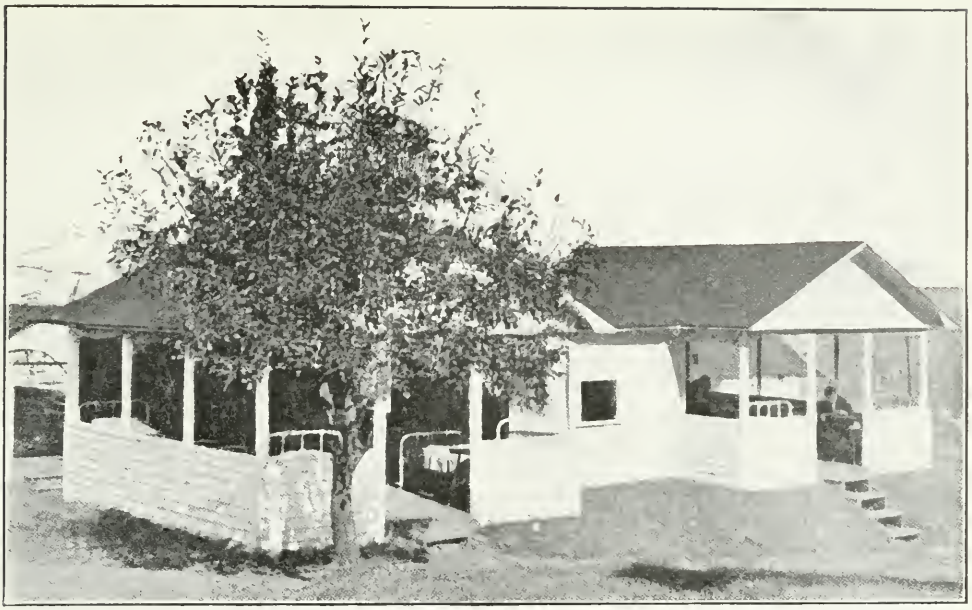
Otisville Cottage—Floor Plan of Modified Plan.



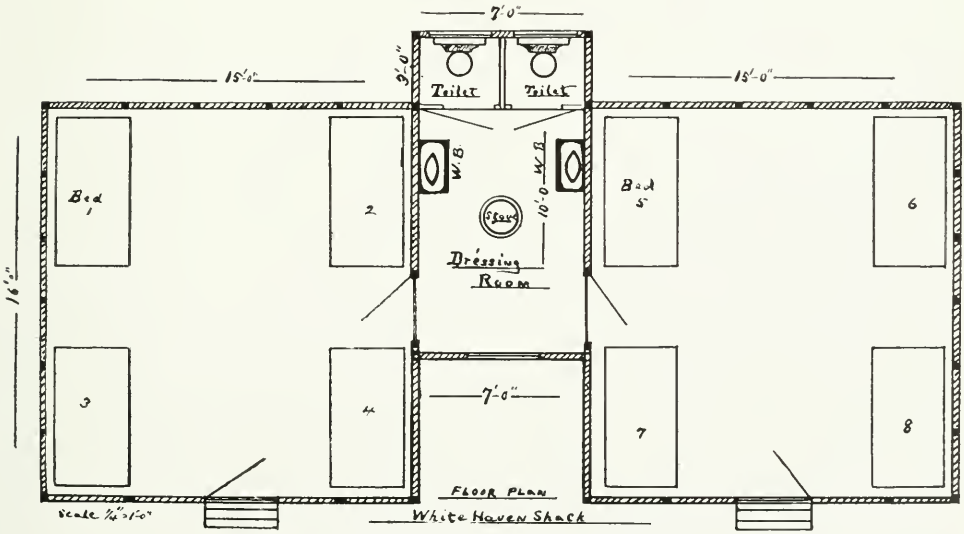
Otisville Sanatorium, New York—Women's Infirmary Building.
Estimated Cost, $5,000. For 20 Patients in Open Wards and 4 Patients in the Enclosed Room.
Designs of the Department of Health.



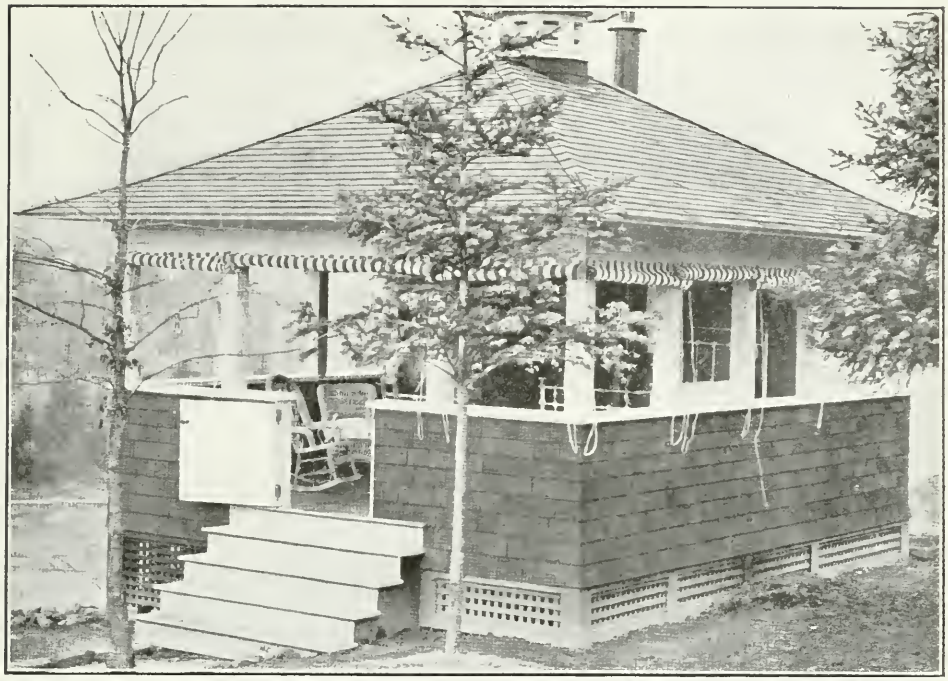
Otisville Sanatorium—Women's Infirmary Building. Rear View.



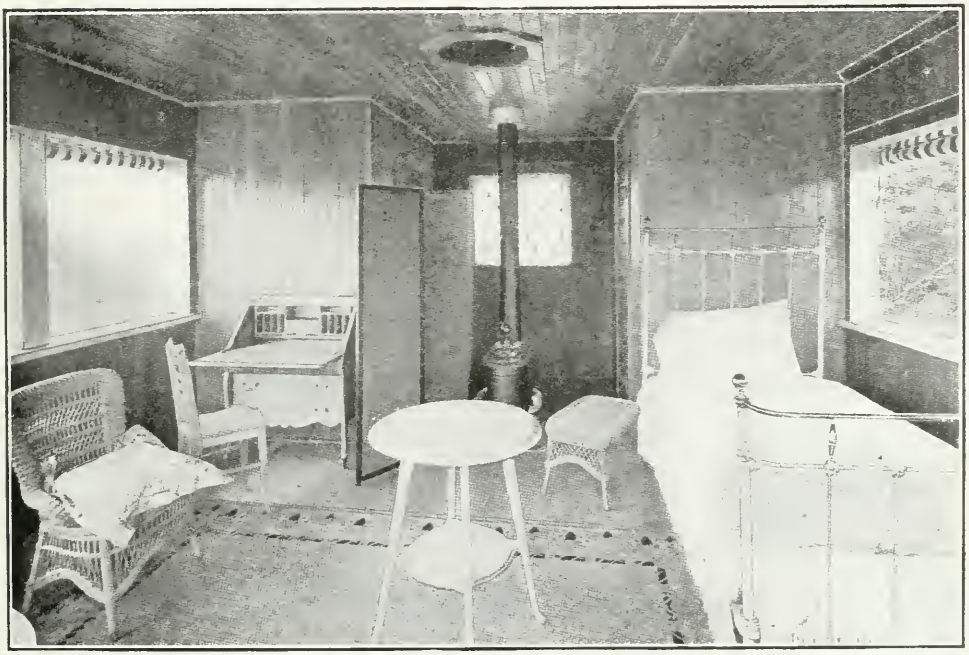
White Haven, Penn.—Sanatorium Cottage for 8 Patients.
Estimated Cost $800.



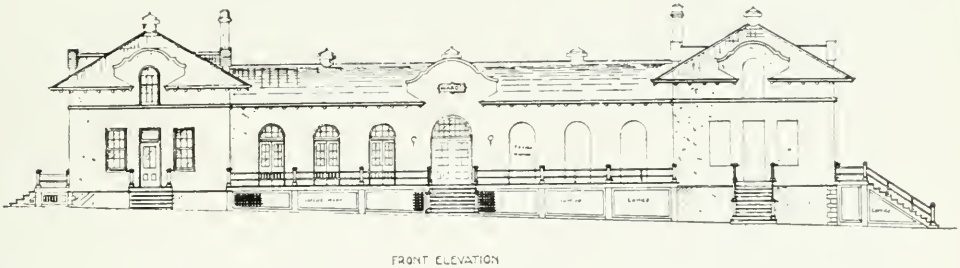
White Haven Sanatorium Cottage—Floor Plan.



Portland, Oregon—Open-Air Sanatorium, Cottage.
Cost, $1,000. For 1 or 2 Patients.

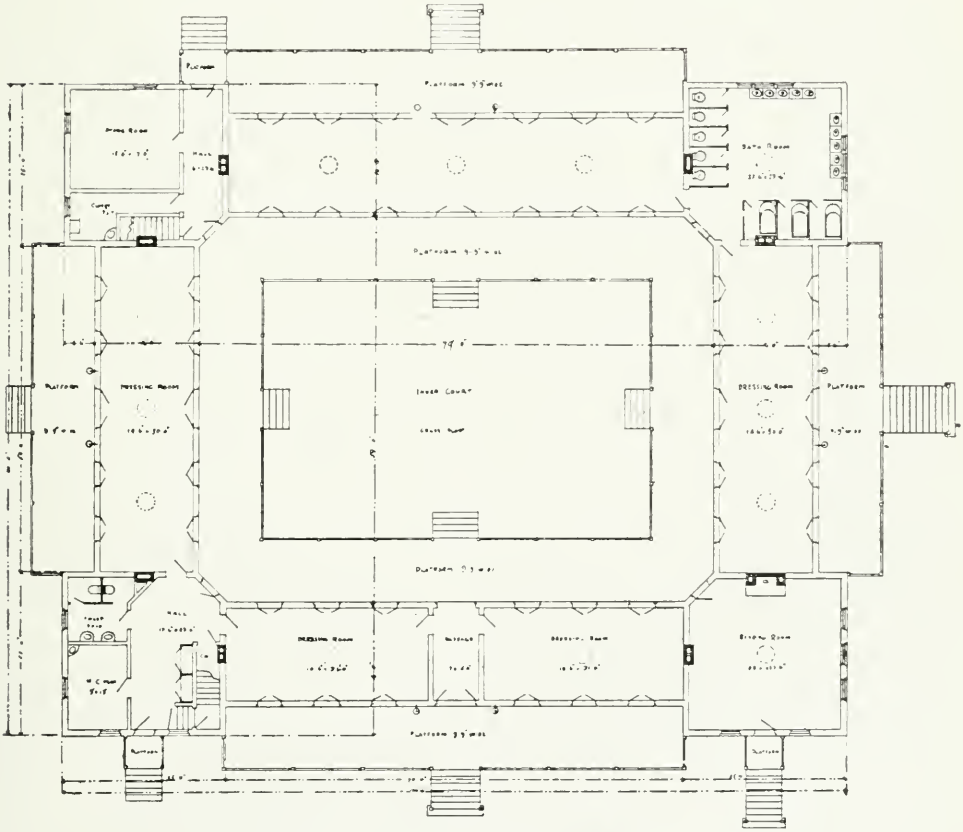


Portland, Open-Air Sanatorium, Cottage—View of Interior, Showing Finish and Closets at the End.



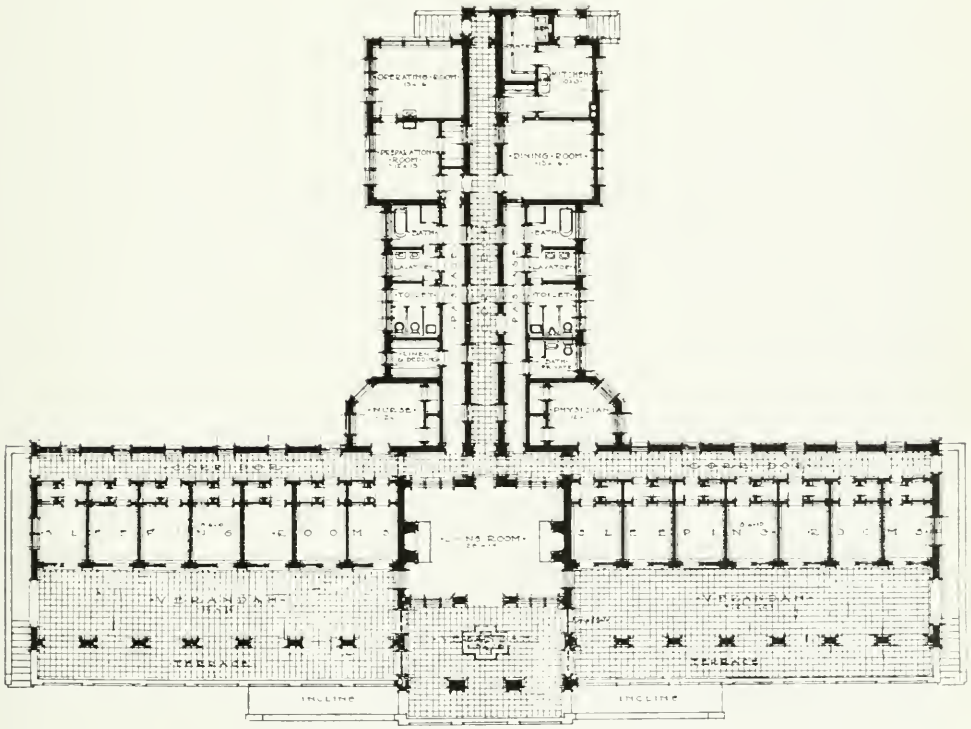
FRONT ELEVATION

United States Hospital, Fort Bayard, N. M.—Front Elevation



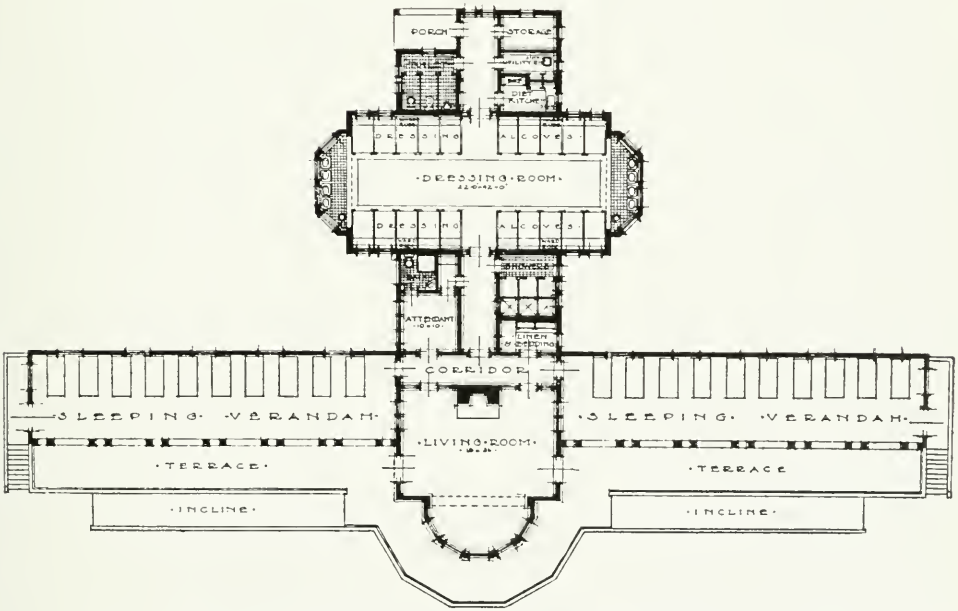
United States Hospital, Fort Bayard, N. M.—Floor Plan.

Ohio State Sanatorium—Infirmary Building.
F. L. Packard, Architect. Estimated Cost, $18,000.
14 Separate Rooms for Patients.



Ohio State Sanatorium—Infirmary Building, Floor Plan

Ohio State Sanatorium—Proposed Cottage for 20 Patients
F. L. Packard, Architect. Estimated Cost, $6,500.



Ohio State Sanatorium—Proposed Cottage Shack, Floor Plan.

TABLE OF SMALLPOX CASES REPORTED FOR THE YEAR 1909.

(Prepared by the Secretary.)

County.	Municipality.	Cases.	County.	Municipality.	Cases.
Bruce	Chesley	7	Ontario	Whitby	12
	Brant	3		Whitby Tp.	1
	Walkerton	2		Oshawa	1
	Lindsay	2	Oxford	Zorra W.	20
	Wiarton	1		Zorra E.	12
	Eastnor	1		Missouri E.	24
Carleton	Ottawa	1		Blenheim	9
Elgin	St. Thomas	5		Oxford E.	3
	Dunwich	2		Oxford N.	4
Grey	Glenelg	10		Norwich	4
	Hanover	5		Woodstock	12
	Owen Sound	1		Norwich S.	6
	Artimesia	2		Blanford	2
Halton	Esquesing	5		Tavistock	1
Hastings	Bangor, etc.	9	Peel	Brampton	6
	Monteagle and P.	2		Albion	2
	Rawdon	1		Chingacousy	1
	Madoc Tp.	10		Toronto Tp.	3
	Belleville	2		Toronto Gore	14
	Marmora	2	Perth	Easthope S.	5
	Marmora and Lake	16	Peterborough	Peterborough	45
	Limerick	2		Otonabee	1
	Sidney	9		Dummer	1
	Tudor and Cashel	5		Havelock	1
	Elzevir	15	Rainy River	Keewatin	5
Lambton	Moore	3	Renfrew	Algoma S.	30
	Brooke	2		Raglan	7
Lincoln	St. Catharines	4		Haggerty	5
	S. Grimsby	1		Sebastopol	5
	Port Dalhousi	2	Simcoe	Collingwood	4
Middlesex	London	9		Midland	7
	London Tp.	2		Tay	14
	Dorchester N.	1		Nottawasaga	2
	Strathroy	2	Stormont, Dundas&Glengarry	Cornwall Tp.	2
	Missouri W.	10	Thunder Bay	Port Arthur	1
	Adelaide	1	Victoria	Lindsay	1
	McGillvery	2		Eldon	2
Nipissing	Haileybury	1	Waterloo	New Hamburg	8
	Coleman	1		Hespeler	1
Norfolk	Delhi	31	Welland	Crowland	1
	Waterford	29	Wellington	Mt. Forest	2
	Simcoe	4		Minto	1
	Townsend	12		Guelph	2
	Middleton	2	Wentworth	Hamilton	1
	Windham	9		Saltfleet	6
	Charlotteville	12		Glenford	6
	Walsingham N.	2	York	Toronto	50
	Walsingham S.	1		Markham	8
Northumb'rl'nd and Durham	Colborne	4		York	10
	Port Hope	19		Scarborough	14
	Cobourg	27		West Toronto	9
	Hamilton	15		Woodbridge	26
	(a) Hope	7		Whitchurch	2
	Seymour	36		Etobicoke	1
	Caven	13		Gwillimbury E.	26
	Campbell	4		King	3
Ontario	Pickering	4		Sutton	4

Total—874 cases reported from 118 municipalities in 30 counties.

(a) One death.

Reports on Smallpox

By Dr. R. W. Bell, Medical Inspector.

(*First report, March 9th,* 1909.)

Since my last report at your December meeting smallpox has continued to run riot throughout the Province, owing largely to non-enforcement of vaccination and laxity of quarantine of exposed persons. I think, however, there have been fewer errors in diagnosis than formerly, and the actual cases are being better dealt with, although some very marked mistakes have come under my notice. Unfortunately some of our aged confreres persist in denying that the present epidemic is smallpox, because it is not of the confluent type with which they were conversant a generation ago, but still fail to diagnose it, thereby rendering our efforts more difficult in eradicating it.

The common error of "chickenpox" and "skin disease" has been met with, but, sad to relate, one patient was seen with a profuse rash in the crust stage who had been treated for typhoid fever for sixteen days with almost normal temperature.

In the majority of places visited by me, which were only about one-third of the municipalities reporting outbreaks, I found the local health authorities were inclined to deal effectively with the disease, but in some of them considerable pressure had to be brought to bear before they would act, principally owing to expense likely to be incurred, or non-belief in correctness of diagnosis.

In the places visited the cases numbered from one to twelve or fifteen, except in the Townships of Scarborough and Markham, in York County, and Township of Limerick, in North Hastings, where these numbers were greatly exceeded. In the former municipalities vigorous efforts were made to stamp it out, and several schools and churches were closed for a time. In the latter, however, no effort was made for over three months to deal with it, the local Board of Health saying "there was no cause for alarm," although admitting some "contagious" disease "had spread all over the township." This was even after a notification from the M. H. O. that it was smallpox, but as he lived twenty or thirty miles distant he was unwilling to spend his time with it in the face of the Board's opposition.

In some municipalities no vaccination whatever was being done until after my visit; in others, proclamations ordering general vaccination had been issued, and occasionally were not enforced, but laughed at; while in others the citizens answered the call promptly.

In Port Hope, at the time of my visit, the Medical Health Officer reported of over 700 school children, all were done but 16, and in all over 1,800 vaccinations.

In Cobourg, at the end of the first week, over 2,000 had been vaccinated. The following places were visited:—

1908.	Place.	County
December 17	Town of Brampton	Peel.
" 19	Village of Colborne	Northumberland.
" 28	Township of Scarborough	York.
" 28	Township of Markham	"
" 29	Village of Markham	"
1909.		
January 5	City of St. Thomas	Elgin.
" 13	Township of Scarborough	York.
" 16	City of London	Middlesex.
" 19	Township of Sarnia	Lambton.
" 30	Village of Waterford	Norfolk.
" 30	Township of Townsend	"
1910.		
February 15, 16, 17	Township of Madoc	Hastings.
" "	Township of Tudor	"
" "	Township of Limerick	"
" 19	Township of Whitby	Ontario.
" 19	Town of Whitby	"
" 20	Town of Port Hope	Durham.
" 20	Town of Cobourg	Northumberland.

The accompanying illustration is of a well-marked case of a discrete type near Port Hope, and resulted from contact with a case diagnosed as chickenpox.

(*Second Report, December 20th*, 1909.)

Following my last report on smallpox in the month of March, the disease continued to be very prevalent in the Province for several months, but since July the falling off in reported outbreaks has been very marked. In several cases it had gained quite a foothold before being recognized; but our physicians are becoming more fully alive to the possibility of its invasion, and fewer instances occur of its being mistaken for chickenpox, etc. In the majority of cases my visits were for the purpose of confirming diagnosis, and to confer with the local Boards of Health as to the best means to be adopted to stamp out the disease. In all cases, I am pleased to say, the greatest willingness was expressed to act energetically on the advice given. The results have proved favourable. Vaccination of all exposed persons and the whole community, if possible; isolation of all infected and exposed, followed by thorough disinfection of person, clothing and premises was my motto, and, where efficiently acted on, soon saw the disease stamped out. A few confluent cases were seen, but the majority were of a mild, discrete type. Only one or two fatal cases have come to my notice. All cases were in unvaccinated persons, with a half-dozen exceptions in elderly people vaccinated from thirty to fifty years ago.

The following is a detailed list of dates and places visited, with a few remarks thereon.

March 17. Village of Odessa, County of Frontenac.—Here I visited four families and saw about a dozen patients. The M. H. O. said he was sure of two other families which had been infected. I met with the Board of Health of Township of Ernesttown, and Dr. Maybee, M. H. O., had the situation well in hand.

March 26. Township of Seymour, County Northumberland.—I spent the day driving over this township with Mr. Johnston, Chairman of the Board of Health. I visited ten families, and amongst them there had been about 30 cases. I here met Dr. Free, Acting M. H. O., who was busy visiting and vaccinating. There were two very severe cases amongst these.

April 6. Township of Cavan, County Durham.—With Dr. Turner, M. H. O., I visited four families and saw five cases. One pretty severe case here had been pronounced chickenpox by the attending physician. I had a very satisfactory meeting with the Boards of Health of the Village of Millbrook and Township of Cavan.

April 8. Village of Woodbridge, County of York.—I visited five families with Dr. McLean, M. H. O., and traced a dozen cases, some now well and not previously known, others in vesicular and pustular stages. The outbreak was well looked after, and patients were to be placed in tents.

April 21. Earlscourt, a suburb of Toronto.—Visited a case with Dr. Warren, M. H. O., it having just been discovered in the crust stage in an adult male. Dr. Warren at once took all necessary precautions.

May 17. Town of Aurora, County of York.—Dr. Stevenson having discovered a suspicious case accidentally, I visited the family, and we found three cases —a child age 2½ years, in vesicular stage; her father developing papules; and grandfather, age 79, in last of crust stage. The patients were to be immediately removed to a tent and other necessary precautions taken.

May 18. Town of Simcoe, County of Norfolk.—With Mr. Winters, of the local Board of Health, I visited five families and found seven cases. Three had just developed amongst the employees of a large dry goods store. One patient was isolated in a tent and others in their homes In the evening I met with the Board of Health, Dr. Grassette, M. H. O., and most of the town physicians, and advised as to the best method of dealing with the situation.

May 19. Village of Waterford, County of Norfolk.—Here I learned that there had been great laxity after my visit on January 29th, owing to non-belief of the M. H. O. that the prevalent disease was smallpox, and necessary precautions were neglected, until the Board of Health took action and insisted on the quarantining of all cases. Since then there had been a decided improvement. Only ten cases have been officially reported, but other physicians say they think from thirty to forty cases have occurred. The M. H. O. sneeringly said to me, "There were 140 cases, but only two were genuine smallpox, and they were confluent, the others were not smallpox," but he had quarantined all he heard of. He is a man of between eighty and ninety years of age, and does not approve of many present-day ideas.

May 22. Victoria Harbour, County of Simcoe.—I here, with Dr. Brown, M. H. O., saw several members of one family almost recovered. Later, on June 8th, I visited a quarantined family. There were then a dozen cases in isolation hospital, and disease under control.

May 23. Township of Baxter, District Muskoka.—Communications were received from Dr. Brown, Victoria Harbour, the Postmaster at Waubaushene, and the General Superintendent of Post Offices at Toronto, all reporting smallpox at Port Severn, at the mouth of the Severn River, Georgian Bay. I reached this

place on Sunday, May 23rd, with Dr. Brown, who had previously seen a few of the cases, and I at once visited several families and confirmed his diagnosis. This township is unorganized, and has a sparsely-settled French population. The Township of Tay, across the river, had several cases which I saw, but being organized and Dr. Brown, M. H. O., he took charge. Baxter being unorganized, I took it in hand and proceeded with a systematic visitation of all families, quarantining wherever disease found, and vaccinating everybody I could lay hands on: but meeting next day with some violent opposition to both, and finding so many cases scattered over miles of country, I requested assistance from your Secretary. On Thursday, 27th May, Dr. Montgomery arrived, with Messrs. Johnston and Parker, two sanitary policemen from Toronto. From this time on opposition ceased. Two days later I deemed it best to establish an isolation hospital, so I telephoned J. J. Turner & Sons, of Peterborough, for tents, and received them next morning, Sunday, 30th, and had them erected at once on the bank of a branch of the river about half a mile from the main stream. We soon had several patients in, but to get complete control of all was difficult, as to reach many families we had to tramp several miles, sometimes drive four or five miles, tie the horse to a tree, then tramp over a rough trail for another mile or two through the woods, and perhaps paddle in a canoe for another mile: in other cases the only way to reach some of them was by row boat or launch several miles around some of the bays, or up the river, and tow the patients back in a skiff. Several miles up the river two cases were found in a small lumber camp just in time to prevent it breaking up. I visited Mr. Pratt, of Midland, one of the owners of the camp, and had him take action at once, but owing to carelessness at this camp at a later period the disease was allowed to spread, and prolonged the occupancy of our hospital several weeks. An effective quarantine was difficult to maintain, owing to the locations of the infected families scattered over many miles of country, and the habit of these people visiting each other on Sundays. As many of them visited Midland, Victoria Harbour or Waubaushene by boats to purchase supplies, these places established quarantine against this township. Others who came to Port Severn for supplies we controlled. Our sanitary police looked well after the wants of all who were quarantined. After remaining here eighteen days I returned home on June 8th, leaving Dr. Montgomery in charge. We had then nineteen patients in the tent hospital, and several others isolated at home. Two hundred and ninety-two persons had been vaccinated, and there were still forty or fifty more to be done as soon as they could be rounded up. On July 13th and 14th I again visited this place, and found five patients still in hospital (all from one household), which would have been closed by July 1st had it not been for the carelessness above spoken of at the lumber camp. The hospital was not finally closed until 5th or 6th August. In all fifty cases were rounded up here, mostly of a mild, discrete type, although a few were well covered with rash, and one case was most confluent. None proved fatal. About 340 persons were vaccinated, practically every resident of the township who had not the disease, leaving no more fuel, and the disease burned itself out. The stamping out of this outbreak involved considerable expense for physician, police, hosiptal tents, equipment and maintenance, etc. Dr. Montgomery reports only three of the quarantined families unable to pay for their own supplies. All were warned that they were themselves responsible for whatever they ordered, as also the store-keeper at Port Severn, although our policemen acted as messengers and carriers for them.

May 25. Town of Midland, County of Simcoe.—By request I visited Mid-

land on May 25th, and found two cases of smallpox had been discovered in one of the hotels two days previously. Both cases had been removed to isolation tents, and the hotel was quarantined with twenty-nine exposed inmates. All were vaccinated on discovery of the disease except two, who refused. These, however, on my request consented, and satisfactory arrangements were made for continuance of the quarantine. Dr. Clark, M. H. O., and Mayor Leatherby were most assiduous in dealing with this unfortunate outbreak.

June 9. City of Peterborough.—A sudden call to Peterborough this evening brought me into conference with the Board of Health, and also the Board of Education of the city, *re* cases just discovered, and from whose homes children were attending one of the public schools. Next day, with Dr. McPherson, M. H. O., I visited one of the schools and arranged for vaccination of the pupils, then visited several of the infected families. Isolation tents were at once erected and all patients removed thereto, but before the disease was stamped out over forty cases were under treatment and spread over two months' time. Dr. McPherson proved himself a most efficient M. H. O., and I am pleased to note that the city last week generously recognized his services by an extra payment to him of $800.00 in addition to his annual salary of $500.00.

June 17. Toronto.—To-day, with Dr. Hodgetts and Dr. Kelly, of the Isolation Hospital, I visited a patient on Bartlett Ave. over whom there had been a difference in regard to diagnosis. The case was undoubtedly smallpox, and arrangements for his removal to hospital were at once made.

June 17. Thunder Bay District.—A telegram from Mr. O'Brien, police magistrate for Thunder Bay District at Fort William, hastened my departure the same night for that point *re* a reported case of smallpox brought in off the G. T. P. or National Transcontinental Railway from unorganized territory. I reached Fort William at midnight of 18th, and next day, with Mr. O'Brien, visited the patient, who was isolated in a box car, five miles out on a siding in the woods, with Dr. Wodehouse and a nurse in an adjoining car in charge of him. The patient, a Galician unable to speak English, had been picked up three days before in a hut beside the track, 160 miles distant, and brought down, to the great consternation of the authorities in Fort William, who had the car side-tracked as mentioned, with a physician and nurse and several weeks' provisions sent out to them. The patient was suffering from starvation and bronchitis more than smallpox, as he only had five spots of rash altogether, and these well advanced in the crust stage. Through an interpreter we learned that he had worked in a railway construction camp during May, and being dissatisfied, he, with others, had left about 1st June to walk along the right of way or track for over 200 miles. Taken ill two days later, he had been deserted by his companions, and had been wandering in the wilderness for two weeks with scarcely any food before found. We kept him nine days, and then discharged him recovered from his bronchitis and smallpox, and greatly strengthened from ample food. This man had a good vaccine mark from vaccination several years ago in his native country. Here a very unnecessary bill of expense had been contracted by the local authorities before my arrival for hospital equipment and provisions, etc., anticipating several weeks' isolation with the patient.

November 30. Townships of East Nissouri and West Zorra, County of Oxford.—An urgent call to visit these townships was responded to on November 30th ult., and with Dr. Murray, of Lakeside, M. H. O. of East Nissouri, I visited several families and confirmed his diagnosis; then with Dr. McDougall, of Harrington,

M. H. O. for West Zorra, I visited several families in the township, confirming also his diagnosis of smallpox. There were about thirty cases in these townships. In the evening I met the local Board of Health of West Zorra at Youngsville, and had a most interesting conference with them regarding the situation and best course to pursue. My visit was apparently appreciated.

December 1. East Nissouri.—At Lakeside this forenoon I met the local Board of Health of East Nissouri, with Dr. Murray, M. H. O., and advised *re* necessary action to stamp out the disease. Both Dr. McDougall and Dr. Murray had a good grasp of the situation, and with the assistance of their Boards of Health I have no doubt the disease will soon be under control.

Mild outbreaks have been reported recently from several other points, but owing to engagements with other duties I have been unable to visit them.

(*Third Report, December 31st,* 1909.)

As instructed by you last week, I have enquired into the complaint made regarding the "dumping" of a smallpox case into St. Thomas by the Village of Dutton. I visited both these towns on Tuesday, 28th inst., and find the complaint substantially correct. At St. Thomas I found the patient in the isolation hospital, suffering from semi-confluent smallpox in crust stage.

He states he considers Dutton his home, as he formerly resided there and his sister lives there, although he had been in Woodstock for nine years, until last May, as clerk in a dry goods store, when he went to Winnipeg for two months and then to Calgary for five. Here he went into the hospital for alcoholism for thirteen days, and being discharged on night of 8th inst., took train during the night for Dutton, via Chicago. On the train he was ill from headache, nausea, loss of appetite, and pain in back. On Sunday morning, 12th, in Chicago he first noticed some rash appearing on face, etc. Reaching Detroit the same afternoon, he immediately went to a Turkish bath sanitarium and had a bath and salt rub, and remained there overnight. On Monday he crossed to Windsor and took M. C. Railway train about 4 p.m. for Dutton, where he arrived about 8 p.m. and immediately went to his sister's house, but advised that none of the family shake hands with him, as the rash was now well out and he feared it might perhaps be something "catching." He says he did not consult any doctor in Detroit or Windsor regarding the rash. Next evening (Tuesday, 14th) he went down town about seven o'clock to Dr. Alex. McKillop's office, and Dr. McKillop at once pronounced the case smallpox, this being confirmed by Dr. Ling, who was in with Dr. McKillop. Dr. Ling, who is Reeve of Dutton and a member of the Board of Health, gave no advice, but hurriedly left. Dr. McKillop advised the patient not to go back to his sister's house, but to go to the M. C. R. and take train for St. Thomas, where they had a hospital and he would be properly looked after; meantime, not to go into the station, where the agent or others might see him and recognize the trouble, but to stay outside in the dark until he could board the train in about an hour. These instructions he carried out, and got to St. Thomas about 9 p.m., reporting to Dr. Marlatt, who referred him to Dr. D. A. McKillop, acting M. H. O., and the same night he was sent to the isolation hospital, where he is attended daily by the M. H. O. (who took me to see him) and a trained nurse and other attendant, at heavy expense to the city. It had been rumoured in Dutton that Dr. Drake, of Windsor, had pronounced the case smallpox and had hastened his departure. This the patient denied.

Visiting Dutton the same day, Dr. Cameron, M. H. O., told me he first heard of the case the following day about 11 a.m., when Dr. Ling told him of it, and in the afternoon Dr. Alex. McKillop reported it. Meantime the sister's family were quarantined and vaccinated, as also a brother-in-law's family who were more or less exposed before the house was disinfected. I saw his sister and she confirmed the above as far as the visit to her house was concerned, and added that on enquiry as to why her brother had not consulted a physician in Windsor, he stated: "He had seen Dr. Drake, who said the rash was result of 'Medicine given him for alcoholism.'" I may here state this answer was not true, but given to satisfy her.

I next saw Dr. Ling, and his statement agrees with that of the patient about seeing him in Dr. McKillop's office. Dr. Ling, however, repudiates all responsibility for the patient going out of Dutton (notwithstanding he is Reeve and a member of the Board of Health), as the patient was not his, and he says: "I gave no advice as to what to do with him, but got out as quick as I could, leaving him as I found him."

Later I interviewed Dr. McKillop, and his version of the patient's visit is as above told. He admitted he knew the man and that he was staying at his sister's. Regarding the advice given to get out of town and go to St. Thomas, he says: "I do not know what I told him to do; perhaps I did advise him to go to St. Thomas, but I do not remember. I do know I told him there was an isolation hospital there. He did not go back to his sister's—I suppose that was the proper place to send him until other provision could be made for him, but I did not know what to do with him, and I suppose we were to blame."

Both Dr. Ling and Dr. McKillop admitted they thought Dutton should bear at least a portion of the expense of the case incurred by St. Thomas.

The next day I visited Windsor, and there saw Dr. Drake, whose name had been mentioned as having diagnosed smallpox, and again bromism, in this patient. The statement is clearly a fabrication. I found him a highly respected and aged practitioner, 78 years old, almost absolutely blind and confined to bed, out of which he had not been for over a month, and not a patient of any kind had seen him in that time.

Dr. Ashbaugh, M. H. O., told me he had heard of the case indirectly from St. Thomas a couple of days after, and he had visited the Herendeen Hotel, where the man had a room for a few hours, and had disinfected it. He at once telephoned the Detroit medical authorities my information about the Turkish bath, so they could look out for developments.

The action at Dutton in sending the patient to St. Thomas was admittedly wrong, and doubly so in advising him to conceal his appearance and travel in a passenger train amongst those ignorant of his condition.

Report on Diphtheria

By Dr. R. W. Bell, Medical Inspector.

Dwight.—On Friday, July 30th, a telephone message from Dr. McRuer, of Huntsville, from Dwight, on Lake of Bays, in the unorganized Township of Franklin, reported diphtheria in the Gouldie House, a large summer hotel. Two hours later I was on my way to that point. At Huntsville I met Dr. McRuer, who informed me that while driving past Dwight in the forenoon he had been called in and found a child seven years of age, daughter of the proprietor, seriously ill with typical diphtheria, characterised by much membrane and offensive odour, etc. The child died at 2 p.m. and, without unnecessary delay, was buried at 5 p.m. As there had been much exposure, he had placed the premises and all inmates under quarantine. We drove out the same evening, and at 10.30 o'clock I found much excitement and indignation at being quarantined, and urgent requests to permit everyone to leave and go home, which, of course, I declined. There were thirty-seven guests, including children, with nine of family and help on the premises. Three days previously the child had been taken ill with sore throat, etc., and was confined to bed in a ground floor room opening on to a verandah and lawn where the guests congregated, and as the child was a favourite almost everyone was frequently in to see her, or at least at the open window, while her mother and sister, closely in attendance, were going all over the house making beds, etc. Swabs and gargles of Pot. Chlor. were, I was assured, freely and diligently used until the previous evening, when a physician was called in, and he, suspecting diphtheria, injected antitoxin into the patient, also her mother and sister, and procuring a swab (probably from a recently cleansed throat), sent it to your Bacteriologist for examination. Next day Dr. McRuer was called in while passing, with what result you already know

The following day a message was received reporting the examined swab negative, and I was again besieged to raise quarantine, but refused, as the indications that the case had been one of diphtheria were too clear to be ignored.

I may here state that twelve days previously a lady with two children and a nurse arrived from Toronto. One child was then ill, and the following day developed sore throat. He was freely treated with listerine, etc., for three days; then a physician called, and diphtheria evidently being suspected, antitoxin was administered to him and to some other children exposed. The child and nurse were isolated in an upper room. A swab from the frequently cleansed throat was taken and sent here for examination. Three days later a negative result was reported, and the attending physician telephoned to release the child and nurse from quarantine. They then mingled again with the rest of the household, but fortunately all were living mostly in the open air and sleeping in rooms with open windows and well ventilated.

Six days later the second case occurred. I learned that these two children were particularly intimate, blowing bubbles frequently, and using the same pipe for that purpose, adding much to the danger.

I gave immunizing injections of antitoxin to most of those exposed (several had previously had them from the other physicians), and relaxed the quarantine

to the extent of allowing the guests out of the premises to the lake shore to bathe within reasonable limits, and also to go boating within a distance of a mile, on condition they did not land anywhere or come closely in contact with others out boating. They could not visit the steamer wharf nor post office, etc., but satisfactory provision was made for correspondence. All this was thoroughly appreciated by most of the guests, as the accompanying letter, handed to me a few days later and signed by them, will show.

One lady with her three children, however, took advantage of the liberty enjoyed and eloped, being aided in her flight by a newly-arrived gentleman and son from Detroit with an automobile, and during the night reached Utterson, a station on the G. T. R. twenty-three miles distant, and took train for Toronto. I immediately wired your Chairman, and I believe he corralled them in quarantine for a couple of weeks. As the runaways had not been bathed or clothing disinfected, I quarantined the American gentleman and his son immediately on their return, and made them thoroughly wash the automobile, take a carbolized bath, and I disinfected their clothing for several hours. I released them after two days' quarantine, with a warning not to again interfere with our health regulations.

As soon as a supply of disinfectants reached me, I had all clothing of the inmates and the whole house, nearly forty rooms, efficiently disinfected with formaldehyde.

At the end of ten days, no new cases having developed, I raised the quarantine, and so ended a satisfactory and interesting experience.

Dorset.—At Dorset, a neighbouring village on the same lake and in daily communication with Dwight, there were several cases of diphtheria, three proving fatal. These were under the care of the M. H. O's. of the Townships of Ridout and Sherborne, and were mostly cared for in an isolation building well removed from any residences. I visited Dorset on August 5th, and found everything then progressing satisfactorily.

Milton.—On November 5th I visited the town of Milton, in County of Halton, and there learned from Dr. Wickson, M. H. O., that diphtheria had been more or less prevalent since last spring. There had been twenty known cases during the last six weeks, and several suspected ones not seen by a physician, mostly in children. There had been one death.

The first case developed in a child who had recently returned from a visit to Toronto, the second in an adult female, but no connection between them. Later cases were traced to these. They were distributed in all parts of the town. The public school had been closed for a few days, but reopened. It was again closed, and at the time of my visit was being disinfected. There was no effective quarantine, as only one sanitary policeman for the whole town. Persons from infected families were out, as also patients mingling with the public. Other suspected cases were also seen out.

I visited one patient, now convalescent, a young man, in very unsanitary premises and in a chilly, dirty room. I visited the premises of several others. I also visited the closets at the school, where cesspools were being pumped out. The closets were in fair condition. I also visited open drains into which flush closets empty, and was shown where two flush closets empty into a pond and one into a creek running through the town. There is no sewerage system, but many cesspools

dug in the clay, and some deep into the underlying gravel, where are wells probably fifteen to eighteen feet deep. There is a good water supply, obtained from springs on a hill.

I advised the abolition of all wells and compulsory connection with the water system; also the abolition of all pit closets and installation of the dry earth system, at least until all wells closed; also the prevention of flush closet discharge into the drains, creek, etc., as the town is not in a sanitary condition.

In a conference with Dr. Wickson, M. H. O., and Dr. Anderson, Mayor, I advised the establishment of a temporary isolation hospital, to which all patients should be removed, and an effective quarantine of all exposed persons for at least ten days, followed by a thorough disinfection of all infected premises.

Report on Scarlet Fever

By Dr. R. W. Bell, Medical Inspector.

Township of Euphrasia.—The only outbreak of scarlet fever which I have been called upon to deal with during the present year was in the Township of Euphrasia, in County of Grey.

A report received at this office stated that the disease was and had been prevalent in this township for several months. Your Secretary instructed me to investigate and deal with the matter as necessary.

On November 9th ult. I visited Thornbury and Clarksburg, in the adjoining Township of Collingwood, and through Dr. Moore personally, and Dr. Shultis, of Heathcote, and Dr. Williams, of Rocklyn, by telephone, learned something of the situation. Next day I drove out to Heathcote and saw Dr. Shultis. He had one patient in Township Collingwood, not seen during rash, but now suffering from sequelae and likely to prove fatal. He had seen cases some months previous in Euphrasia which others had pronounced German measles, and no precautions were taken to check the spread.

I next drove to Rocklyn, in Euphrasia, and there had a conference with Dr. Williams, M. H. O.; Reeve Ellis, chairman, and Mr. Curry, secretary, of the local Board of Health. Dr. Williams reported several cases in his immediate neighbourhood, which were quarantined and well in hand.

It was admitted by all that there had been many cases about Kimberley, in eastern part of township, for several months, no physician in attendance, and no precautions taken to arrest its spread.

Last year Dr. Williams had, by order of the Board of Health, investigated several cases, and he did a lot of disinfecting, but the municipal council thought his account too much (although they had to pay it), so this year he was instructed not to investigate or attend any cases outside of his own practice, unless officially reported to him by the attending physician. As no physician was in attendance in many cases, and in others the disease was called German measles, no cases were reported, and the disease ran riot until nearly every child in the neighbourhood of Kimberley has had it, the result of which will likely be seen later on by serious sequelae.

They excused themselves for laxity because other townships were lax, but I did not find this elsewhere. Admittedly most of the neglect was to save expense to the township. They complained of laxity in St. Vincent Township, where they reported a school teacher having returned to her duties in school while still desquamating; but it was only hearsay, and no name given.

A letter from Dr. Shultis, of Heathcote, dated October 18th ult., gave the names of a number of known and suspected cases, but no action had been taken. I also gave other names made known to me. I pointed out the liability of parents, etc., for not reporting these cases, and insisted on the M. H. O. being given authority to investigate all known or rumoured cases, and quarantine where necessary, and to thoroughly disinfect all premises where disease has been. This Messrs. Ellis and Curry agreed to, and also to have a meeting of the Board of Health called

at once and deci-ive action taken to stamp out the disease. If not done, I threatened in your name to quarantine the whole township and at their own expense.

The same evening I drove into Meaford, and there interviewed Dr. Clark, M. H. O. of St. Vincent Township. He knew of no cases at present or recently in that township. He had none in his own practice, and none had been reported to him. He promised to try and get the name of the school teacher spoken of at Rocklyn, and investigate her case and any pupils if exposed, fumigate the school-house, and deal promptly with the situation should the report prove true.

He reports the Board of Health of St. Vincent very liberal in allowing him full power where he deems necessary.

Next morning I called on Mr. Albery, secretary, Local Board of Health, and he had no reports of any scarlet fever in the township, but promised to at once investigate and, if necessary, the Board would take immediate action.

November 22nd. Dr. Williams writes that he has visited and disinfected a number of houses, and is speedily getting the disease under control.

Report *re* Typhoid Fever Epidemic and Cleaning up of Town of Cobalt.

By Dr. R. W. Bell.

To the Secretary,
Provincial Board of Health, Ontario.

Sir,—A severe epidemic of typhoid fever having occurred in Cobalt, attributed largely to contaminated water and the unsanitary condition of the town, the supervision of the necessary cleaning up was placed in our hands by consent of the local authorities and the approval of the Honorable Provincial Secretary.

Acting on instructions from you I proceeded to Cobalt on September 8th ult., and on the following day we laid out our plan of action.

At this time there were about 80 cases of typhoid in the "Red Cross Hospital" owned and supported entirely by the "Temiskaming Mine Managers' Association." All these cases were from the mines of the town or adjoining townships of Coleman, Bucke and Lorraine.

As there was no civic hospital, other cases were being treated at their own homes, and I could not get a record of them. Many other cases immediately on being suspected left the district for their homes in older Ontario.

The town having a population of about 6,000, and probably another 3,000 within a radius of five miles, is situated on the shore of Cobalt Lake, which is little better than a cesspool, about three-quarters mile long and 200 to 400 yards wide, the water being undrinkable, because of arsenic contained therein and the sewage. A considerable portion of the drinking water used in the town has been imported Laurentian water, or water brought from Sassaginaga Lake, a mile distant, and delivered from door to door by carters.

A few months ago a temporary system from this lake was installed with pipes laid on the surface of the ground. This supply was known to be good. The larger proportion, however, of the citizens we found were using water for all purposes from shallow wells dug in the soil from four to six or eight feet deep between the sloping rocks, and these were full of surface water containing the drainage from the houses and closets erected on the rocks, or as frequently on the soil adjoining them and often only a few feet distant.

In some instances we found small 16x25 feet lots leased at high rentals from some of the larger mining companies, and the structure erected thereon covering the whole lot and no sanitary conveniences whatever provided: in others possibly five feet was reserved in rear on which to erect a closet and get a rear entrance from the street provided by the company, about 16 or 18 feet wide. Occasionally a small vacant lot adjoined a half dozen of these shacks, and it was used in common by all, for a well, a closet or two, and general dumping ground for all kinds of garbage and refuse, but responsibility for its condition was repudiated by all.

I may state that there is no sewerage system in town, only one semblance of a drain, partly wooden box and mostly open, from the Red Cross Hospital across several lots in the centre and along street sides, receiving in its course the slop of hotels, laundries and closets, etc. This we found so choked up that the base-

ments of houses were flooded, in one instance the press room of the "Daily Nugget" until the workmen were for days wading in 8 or 10 inches of this filth, with rubber boots on, to carry on their work. With the damming up of this same drain on Argentite Street you are personally cognizant, as you will recollect our opening it up ourselves on more than one occasion.

You also visited several of the overcrowded Chinese rooming houses and know of the unsanitary conditions seen there.

Considering these conditions and more to be told, is it any wonder that typhoid fever was rampant.

Now as to the cleaning-up process, I took general supervision, aided by Sanitary Inspectors Geo. Young, H. C. Parker and R. Johnston, of the Provincial Board of Health, and R. Holmes, local Sanitary Inspector.

The local authorities were to furnish us with such teams and men as we required and render all assistance. I may here say that for the first week no member of the local Board of Health ever came near us excepting Mayor Lang, who worked heroically and was ever at our beck and call, but after that time when I threatened to report the lack of assistance, they came to our aid and did all possible to help us.

As you are aware, we divided the town into sections, and each of our Inspectors taking a section visited every house in it, examining the premises outside and in, and serving notices where necessary to clean up within 24 hours, keeping a record on a stub of such notice. This work took nearly a week, as over 600 premises were visited and over 550 notices served.

The accumulation of garbage and filth was most amazing and not restricted to the poorer sections of the town, as can be surmised by the large number of cleaning up notices served, in fact the serious fire of two months previous was in many respects a perfect God-send, as it had burned over a large section of the dirtiest portion of the town, destroying in its ravages an immense amount of garbage and refuse. On most premises visited we found the accumulation of from several months to several years' garbage, and as many occupants of houses were only temporary residents, there was an utter indifference as to the disposal of it. Among many other more permanent residents the gradual accumulation had not been noticed, and familiarity with it had bred contempt, until this typhoid outbreak had caused alarm. Even, however, in the face of this there were many still perfectly indifferent, particularly about the boarding houses and restaurants, as also rooming houses, were the conditions bad, kitchen refuse and bedroom slop being thrown out about their back doors and not infrequently on to the street. Soon after my arrival I was given to understand that the principal business block, situated on the Square, was notorious among the citizens as one of the dirtiest and most unsanitary buildings in town, vieing with the lowest Chinese rooming house in this respect. Our inspection proved this true. The ground floor was occupied by stores, etc., the first floor by offices, second floor, offices and roomers; third floor, all roomers, in all probability 100 occupants. The halls and rooms were filthy, and for all these occupants there was only one closet, and that on the third floor, a dark one inside of a dark room, a box closet, without dry earth or ashes and so vile one could not use it without being contaminated. After my report, the local Board of Health ordered the installation of 18 closets in this building immediately or all tenants would be ordered out and the building closed.

In the north end of the town we found a dairy of some 35 cows, with the filthiest surroundings. The barn was on the hillside, with apparently two or

three years' accumulation of manure on its lower side, and about 20 yards further down the hill a new well had been dug and pump put into it three days previous. A few yards to one side, 40 or 50 hogs were rooting and three dead ones were decomposing in the hot sun. Close beside these was a bunk house with accommodation for 40 men, with a lean-to stable for a dozen or more horses on its upper side and all filth soaking under it: both bunk houses and stable were occupied each night. About 30 more hogs were found a short distance away belonging to the same herd, and wallowing in swill brought from town and emptied from barrels in the hollows between the rocks. The water for use about this dairy for washing cans, etc., was from a spring between the roots of a stump on the road side behind the house, and around which the hogs were rooting. A few yards distant, on higher ground, were several houses in which were typhoid patients, and the drainage from these houses easily reached the spring. Enquiry revealed the fact that many hogs of these herds had died from some unknown cause during the previous few months. Suspecting hog cholera as the cause, the Veterinary Director General, Dr. Rutherford of Ottawa, was at once communicated with, and he immediately sent Dr. Perdue, V.S., to investigate. He soon diagnosed hog cholera, and slaughtered the remainder of the herds, 80 hogs, now reduced by previous deaths from 112, and only passed inspection and accepted as fit for food 17: all destroyed, were burned and premises thoroughly disinfected and placed under quarantine for three months.

The sale of milk from this dairy was stopped until premises put in a sanitary condition, but not before the owner had been prosecuted and fined.

Many open trenches left by the Mining Companies were found in all sections of the town, and these were convenient receptacles for the disposal of garbage, etc., by those who would not go to a dumping ground about three miles distant. These were ordered to be filled.

On our suggestion the Municipal Council passed By-Laws *re* Sale of Milk, prevention of keeping hogs in municipality, rooming houses and overcrowding, also cleaning of closets and removal of garbage, etc.

On completion of our first round of inspection and serving of notices, a second visitation was started to see if orders had been complied with. A few had responded to our orders and probably a couple of hundred loads had been removed or burned. A second warning was given, and as many said they could not get teams to cart away the refuse, we instructed them to place it where teams could conveniently get at it either in yards or on the roadside, and we would remove it for them. Here we applied to the town authorities for teams and men to aid in cleaning up. Although dozens of idle men were about the streets, it was difficult to secure more than 12 or 18 for scavenging work, and from 4 to 8 teams for cartage. As the nearest available dumping ground was 3 miles distant over a bad road, the work, with so little help, seemed appalling, however with the consent of some of the Mining Companies, we utilized several trenches in the outskirts of the town, into which we put old irons, and on these with the aid of coal oil destroyed much garbage and whatever could be burned, saving a long haulage, but had to take to the distant dump all excreta and stable manure. The work proceeded rather slowly owing to frequent bad weather and to teams continually leaving us for more congenial work. Owing to many persons being persistently negligent or defiant regarding our orders, it now became necessary to prosecute them before the Police Magistrate, and about 50 persons were fined, amongst others two Aldermen and the Chairman of the local Board of Health.

Having gone well over the town and got the scavenging well under way, I kept Inspector Holmes to look after the scavengers, and with Inspectors Young, Parker and Johnston undertook a thorough inspection of the mines and their surroundings. They inspected the bunk houses, kitchens and dining camps, stables and all other out buildings, water supply and drainage, etc., also the shafts, tunnels and drifts, etc., and made daily reports which were typewritten and sent to you with my daily report of work done, etc. It was found that much cleaning up was required about most of the mines, that the employees of the mines, were drinking water, as a rule, from the crevices in the rock, and that urinating and defecating in the tunnels and drifts was a common occurrence, although denied at the outstart by the mine managers, thus polluting the water where it percolated from the upper to lower levels. Defecation was found in the tunnels of at least one-third of the mines visited, some 88 in all, including the works of two power companies.

On the 18th October I considered our work as about completed, so handed over the control to the local Board of Health, and despatched Inspectors Parker and Johnston to other points, leaving Inspector Young for a few days longer to aid the local authorities. Under our supervision 1,066 team loads had been removed or destroyed, and 74 of the foul polluted wells filled.

During the earlier weeks of our work, typhoid continued to increase until the Red Cross Hospital had eleven more hospital tents with ten patients each erected on the Coniagas property, and had in all, from 1st August to October 16th (eleven weeks), 307 cases, while the town M. H. O. reported for the same period 533 cases outside the Red Cross Hospital, divided as follows: Adults, 432; children, 101; total, 533; or males, 339; females, 194; total, 533; or a total with Red Cross Hospital cases of 840.

About the middle of September the civic authorities established a tent hospital on the Haileybury Road with four military hospital tents and an additional frame building for kitchen, office, storeroom, etc., and sleeping quarters for the nurses. The Presbyterian Church also kindly loaned a large marquee tent, which was of great use for hospital purposes. The I. O. F. also very expeditiously erected a frame building for about ten patients adjoining the Civic Hospital, and when not filled with their own members placed their spare beds at the disposal of the town authorities.

From now on the number of new cases steadily decreased, but as the year closed Dr. Hair, M.H.O., reported for the year a total of 1,102 cases.

At the date of my departure, October 18th, the contract had been let for the installation of a permanent water system from Lake Sassaginaga and work had commenced, also for a sewerage system, but little can be done before winter, when the surface pipes will be frozen up, and the cartage system will be in vogue for another season. However, this will not be so bad if the abominable wells can be kept closed, but only eternal vigilance will accomplish this, as many were repeatedly opened up within a few hours after we had filled them.

A civic scavenging system is absolutely necessary, as most of the temporary residents are indifferent as to cleanliness; in fact the Police Magistrate told several of the delinquents we prosecuted, that they did not seem to know what dirt was.

The Red Cross Hospital Board spared neither means nor time in their efforts to stamp out the disease, and much is due to Mr. R. P. Rogers, manager of the Coniagas Mine, and Chairman of the Board, who gave his services freely day and night in relieving the afflicted.

I fear that unless our suggestions for the furnishing of a pure supply of water in the mines, and also the use of portable privies therein are carried out, there will be a continuance or recurrence of the disease, especially as many of the men returning to work will be typhoid carriers.

I trust our efforts in cleaning up the town, however, will not be without good results, and that a repetition of them will never be called for again in Ontario.

All of which is respectfully submitted.

R. W. Bell,
Medical Inspector, Provincial Board of Health.

December, 1909.

THE SANITATION OF COBALT AND ENTERIC FEVER.

By Chas. A. Hodgetts, M.D.

The prevention of disease is the chief function of a Board of Health. That this has been one of the objects of the Provincial Board of Health in respect to Cobalt is particularly true as will be seen from the following reports of various officers of the Board, who have from time to time visited the place since first it appeared on the map of New Ontario—when it was a mere mining camp, being in the unorganized district (hence directly under the control of the Board), and so year after year until it had taken upon itself the responsibilities of a municipality. Even then, considerable attention was given to its sanitation, the Medical Inspector, Dr. Bell, having visited it on as many as twelve occasions.

Indeed no other place in the Province has received so much attention as Cobalt. In the early days the Board through its officers has been able to exercise direct authority with most satisfactory results, for undoubtedly at that time outbreaks of Typhoid Fever were prevented by the action then taken.

The several reports as made to the Board since the month of September 1905 are herewith reproduced with the object of demonstrating the particular pains taken by the Board to prevent disease in this mining district so as to make it a safe place for miners and others to reside in and for people to visit for business purposes, and at the same time to indicate where the blame may very properly be placed for the Typhoid outbreak which has (unfortunately) occurred in the town and district—an outbreak which, with the exercise of ordinary precautions on the part of the citizens and a proper oversight of the Local Boards of Health concerned, could have been averted, and a repetition of which may happen again unless these same Local Health Authorities will live up to their responsibilities as placed upon them by the Public Health Act and which it is clearly their duty to discharge. They have unfortunately had a very severe object lesson and, if a repetition occurs, must be prepared to assume the responsibility of public criticism.

The report of Dr. Bell and Inspector Young clearly set forth the unsanitary conditions of the town as existing at the time of the outbreak and the methods adopted to "clean up". Written and verbal directions have been given as to the methods to be adopted by the Corporation and Local Board of Health to keep the town clean.

The work is clearly a municipal one—not to be assumed by the Province—and in the public interests it is to be hoped it will be followed out. It is also hoped that the citizens generally will cordially co-operate by each striving to keep his own house and premises in a sanitary condition.

In 1906 I reported as follows to the Board on the sanitation of Cobalt.

The rapid increase in the population of this district consequent upon the discovery of valuable mineral deposits, has necessitated from the outset a sanitary supervision on the part of this Board, owing to the fact of the district being unorganized.

With a view of ascertaining the exact conditions and the particular dangers incident to camp life and the erection of a large number of temporary buildings, Dr. Bell, Medical Inspector of the Board, was requested to visit and report, as early as March 6th, 1905, when there were only three camps in operation. Since that date he has repeatedly visited the district, enforcing the sanitary regulations of the Board as regards camps in the unorganized districts—even going so far as to prosecute in one instance a company, the manager of which refused to comply with the regulations. As a result of the Inspector's work, all the mining companies provided medical attendance and hospital accommodation for their employees, and notices were issued in the name of this Board ordering "all water" to be boiled for drinking purposes, and the Provincial constable was instructed to report any failure on the part of the inhabitants to observe the regulations of the Board.

In March last Dr. Amyot was sent to Cobalt upon receiving word that ice was being cut for domestic purposes, from Cobalt Lake, and as a result of his visit the cutting of ice from this lake was discontinued and a good supply obtained.

Since Dr. Amyot's visit the municipality of Coleman has been formed, which removes the camps from the direct supervision of this Board, and places the sanitary arrangements of Cobalt and the Township generally, in the hands of the Local Board of Health.

I am pleased to inform this Board that the Honourable the Provincial Secretary has appointed Mr. S. Scott as a temporary sanitary inspector, whose duty it will be to assist the local authorities in the enforcement of the sanitary laws of the province. Already good work has been done, much however remains to be done, and in a short time two hospital tents, with beds, etc., will be forwarded to Cobalt to be used in case of any outbreak of a contagious character—and there is already under consideration the securng of a pure water supply for immediate use.

The reports of the officers as referred to are herewith appended, and, often these follow the final report of Dr. Bell and Sanitary Inspector Young.

REPORT BY. R. W. BELL, M.D., MEDICAL INSPECTOR.

THE MINING CAMPS, COBALT, APRIL 3RD, 1905.

On March 6th I visited the Mining Camps at Cobalt in the Temiskaming District. As these have only been in existence a few months and permanency uncertain, the buildings and accommodation were not found quite up to the requirements of the Public Health Act. The prospects now having improved very much and more buildings being erected, I arranged with the Managers to provide more and less crowded accommodation for their employees. With the exception of crowding, the health provisions were satisfactory. Four Camps are in the immediate neighbourhood, two employing about 30 men and the others 8 to 10 each.

MEMO. BY R. W. BELL, M.D., MEDICAL INSPECTOR.

Re REFUSAL OF MINE MANAGER TO COMPLY WITH REGULATIONS.

Sept. 21st, 1905.

I beg to report that at Cobalt, Ont., I called a meeting of Mine Managers for Tuesday, 19th inst., to consider the most desirable method of providing hospital accommodation and medical attendance for the camps, in accordance with Clauses 4 and 12 of the Sanitary Regulations for Unorganized Districts. Of 21 notified only seven attended. Six of these reported that they had contracts for Medical Attendance and hospital accommodation with either Dr. Field or Dr. Young, of New Liskeard, on payment of fifty cents per month, and no further expense to the men. That both of these doctors had representatives constantly in Cobalt to look after the camps in the vicinity.

Mr. W. J. Wells, Manager Baffalo Mining Co., whose mine is within the town site of Cobalt, stated that this Co. had no contract for Medical Attendance for their men, and would not make one, as the men could employ whom they pleased. On being remonstrated with for such a stand and its being pointed out that there was a penalty for non-compliance with the Act, he replied—"Go ahead, prosecute me, I will pay the fine; put on the screws as quick as you like, etc, etc." He, however, stated he was authorized to subscribe Two Hundred Dollars, or a carload of lumber, for the erection of a hospital, if I would accept it, but he would not provide in any other way, nor any further, for the employees of the Company.

May I ask if it is the desire of the Board that I formally charge the Manager of this Mine before the Stipendiary Magistrate of the District, with non-compliance and refusal to comply with the Act.

REPORT *RE* SANITARY CONDITIONS, ETC., OF COBALT AND ADJACENT MINES

By Dr. R. W. Bell, Medical Inspector.

Sept. 29th, 1905.

To the Chairman and Members, Provincial Board of Health, Ontario.

Gentlemen.—Doubtless you are all aware of the recent discoveries of silver and other valuable metals in the Temiskaming District, mostly in the Township of Coleman, 103 miles north of North Bay, on the line of the T. & N. O. Railway. As a result there has been a sudden influx of prospectors, miners, etc., and on the shore of Cobalt Lake, a mining camp or town has within a few months sprung into existence.

I visited this place on March 6th, when there were only four mines in operation, and again passed through in early April, and also in the middle of May. At the latter date, there were not more than half a dozen small board or log buildings on the present town site.

Owing to communications received, regarding the rapid growth of the camp and its unsanitary condition, it was deemed advisable for me to visit it again this month. I reached there on 14th inst., and found a population on the town site, of about 600, sheltered in about 60 or 70 houses, mostly shacks, and as many tents. Many of these people are engaged in prospecting, and are independent of those actually engaged in the mines, while many avocations are represented. Two banks (one doing business in a tent), about a dozen general stores, with several restaurants, pool-rooms, barber shop, photograph gallery in a tent, two drug stores, and numerous other places of business were in full swing.

So far no sanitary precautions had been taken. About a dozen closets of the pit class were in use, and about as many more were in course of erection. Several houses were situated on what since the survey a few weeks ago will be streets, and have to be moved.

A visitor walking about the place between the houses and stumps, had no way of telling whether he was on a street or private lot. The town site is on the shore of Cobalt Lake, which is about a mile long and 300 or 400 yards wide, the railway track running close along the bank, ten to twenty feet above the water, while the location rises rapidly and very roughly immediately beyond the railway track. The natural drainage, therefore, is all towards the lake, which along the shore is badly contaminated. There is only one natural "spring well" in the place, from which the whole local domestic supply of water is obtained, and it is so situated at the base of a rock, as to receive much surface water, and much filth. The owner was taking steps however to have it thoroughly cleaned out, and protected as far as possible from contamination, and going to have it closed in, and charge a fee for its use. This will, therefore, cut off the free use of any but the lake water from the citizens.

With the Provincial constable, Mr. Caldbick, recently sent there by the Government and who is Sanitary Inspector, I made a thorough inspection of the place.

The erection of pit closets was at once stopped, a slaughter house in a most undesirable place, with hogs devouring raw offal in rear, was ordered to be removed; also a large manure pile both a nuisance and a menace to health, as well as unsightly, and which turned out to be on a street in the most thickly populated portion. The Sanitary Inspector was instructed to prosecute any persons committing or placing unsanitary nuisances where they might prove detrimental to health.

A meeting of the citizens was being held in the reading tent, the first evening of my visit, for the purpose of organizing a School section, and I seized the opportunity of addressing those present, about twenty in number, in regard to sanitary matters. The following day, I caused the following notice to be posted in several conspicuous places.

Notice.

By order of the Provincial Board of Health, the use of pit closets in Cobalt and vicinity, is forbidden. The conversion of those already in use to dry earth or other satisfactory kind is at once required.

The deposit on the ground of kitchen and other garbage or refuse, where it may contaminate the water supply or prove a nuisance, is forbidden. Boxes or other suitable receptacles for it must be provided and emptied at a place approved of by the Sanitary Inspector at short intervals.

Sewers or drains which may pollute the water supply or prove a nuisance, are also forbidden.

(Signed) Geo. Caldbick,
Sanitary Inspector.

Cobalt, Sept. 15th, 1905.

Soon after my return, I obtained from your Bacteriologist, a report of his examination of samples of water shortly before sent him, from spring furnishing most of the drinking water of the town, and also from Cobalt Lake. His report says, "The spring shows infection with intestinal bacteria. The lake shows infection with suspiciously intestinal bacteria. Neither of these waters should be used without previous boiling."

As these were the only sources of water supply convenient, and as they were still subject to much contamination, several copies of the following notice were sent to the Sanitary Inspector, to post in conspicuous places, for the information of the citizens.

Notice.

Samples of water from Cobalt, taken from the spring near Clark's, and also from the lake, have recently been examined by the Analyst of the Provincial Board of Health, and both have been found to contain germs which render their use dangerous. The public are therefore warned that these waters should be boiled, before they can be safely used.

By order of the Provincial Board of Health.
Toronto, Sept., 1909.

Having taken these steps to get the sanitary conditions of the town improved and started right, I turned my attention to the immediate location of the mines. I learned there were about eighteen miles being worked, and all within a radius of about three miles from Cobalt. I visited several of them, and found a decided improvement in the accommodation provided the employees, since my visit in March.

Nearly all had made contracts for medical attendance on their men, with either Dr. Field or Dr. Young, of New Liskeard, who both had representatives at Cobalt, but there seemed lack of hospital accommodation as required by the regulations. As the largest of the camps at present consists of 60 or 70 men, and they vary from that number down to 8 or 10, these smaller ones could scarcely be expected to erect a hospital building at their individual mines. I therefore decided to call a meeting of the mine managers, to consider the matter, and sent the following letter to every mine manager whose name I could get, and several prospectors, some twenty-two in all.

Cobalt, Sept. 15th, 1905.

Dear Sir,—You are requested to attend a meeting of the Mine Managers of the Cobalt District, in the reading tent, Cobalt, on Tuesday, Sept. 19th, at 1.30 p.m. sharp, for the purpose of considering the most desirable method of providing hospital accommodation and medical attendance for your camp, as required by the Public Health Act.

(Signed) R. W. Bell,
Medical Inspector, Provincial Board of Health.

At the time appointed only seven responded to the call. To those present I explained the regulations, and pointed out that they were required to provide a suitable building for a hospital, and in it provide board and nursing for their employees, in case of illness or accident, as well as contract with a physician for attendance.I suggested that all, or any number who desired, might unite in the erection and maintenance of a hospital at Cobalt, the most central point, and within easy reach of most of the camps.

Six of those present announced that they had contracts with physicians at New Liskeard for medical attendance, and that they had provided hospital accommodation and board at the same place, and without any fee being charged to the men, beyond that authorized by the regulations for medical attendance. This statement was corroborated by Drs. McLaren and Aikins, the local representatives of the New Liskeard physicians who held the contracts. I stated that I did not think the hospitals at New

Liskeard would be satisfactory to your Board, as too far away, but some of the managers said the outlet from their mines was *via* Haileybury, and when there, they were as near New Liskeard as Cobalt. The manager of the Buffalo mine said he had no contract with a physician, and would not make one, and if we wished to prosecute him for refusal to obey the regulations, we could "put on the screws as quick as we liked." He took this ground because he had some grievance against a physician at a mine where he had been formerly employed. Afterwards he stated, if the Provincial Board wished to build and maintain a hospital at Cobalt, he would give two hundred dollars, or a car load of lumber towards its erection. As I was not erecting or soliciting subscriptions for a hospital in your behalf, I had to inform him his offer was respectfully declined, but that he had better erect a building at his mine, which is inside the town site, or unite with others to do so, and otherwise conform to the sanitary regulations. He again very curtly and abruptly refused to do so. I suggested to those present that they should appoint a committee, and confer with the absentees, and try to come to some united action, as I felt sure the cost to each would be much less than if they were compelled to build separate hospitals, and the fact of the contract physicians placing their representatives at Cobalt showed they did not consider New Liskeard a near enough point from which to operate the Medical Department. However, they did not feel disposed to take any action, and the meeting broke up.

As the fee for medical attendance and medicine charged to each man is only fifty cents per month, it seemed almost incredible that the contracting physicians would without further payment, provide on behalf of the mine owners hospital accommodation and board, with trained nurses as was asserted.

I requested those present to send to your secretary copies of their contracts, so you might make proof that the regulations even at the distance of New Liskeard were being so generously carried out.

Before taking further action, I deemed it best to return and confer with your Secretary, and as a result the following letter was sent to each of the mine managers on September 23rd instant.

DEAR SIR,—Enclosed find amended copy of Act and Regulations for sanitary control of Unorganized Districts in Ontario. Your attention is called to all its clauses, but particularly to clauses 2, 4, 8 and 12.

Kindly let me know by return mail, the name and address of the physician with whom you have contracted (clause 12), also what provision you have made for hospital accommodation for the men in your camp (clause 4).

Dr. R. W. Bell, Medical Inspector of the Board, who has just returned from your district, reports the majority of the camps are in the immediate vicinity of Cobalt. Should you desire to join with one or more of the mine owners, in the establishment and maintenance of an approved hospital in Cobalt or close vicinity, it will be acceptable to this Board.

The fact of the physicians at New Liskeard, with whom I understand several mine owners have contracts, having representatives constantly at Cobalt, would clearly indicate that that is the most desirable or convenient place for a hospital.

The utilizing of private hospitals at New Liskeard, miles away from your mines, is clearly not in the interests of your employees, nor in compliance with the Act.

Yours respectfully,
(Signed) CHAS. A. HODGETTS, M.D.,
Secretary.

I know from conversation with several of the mine managers, that although they think they are technically complying with the Regulations by providing hospital accommodation at New Liskeard, still they admit that Cobalt would be a much better point.

Some others in the neighborhood of Kerr and Giroux Lakes, say, Cobalt, is as difficult to reach in summer as New Liskeard, and would prefer a hospital at Haileybury.

The difficulty at present is to get the responsible parties sufficiently interested in the necessity for hospital accommodation, as they are all so engrossed in getting their mining operations into shape.

Fortunately, so far, there has been very little illness, and no serious accidents, and until there are, it will be difficult to get them to waken up, unless the penalties provided by the Act are enforced for non-compliance. I would like specific instructions in regard to this matter, and especially in connection with the defiance of Mr. Wells, manager of the Buffalo mine, whose action I fear, if allowed to go unnoticed, will be the cause of trouble in the future.

REPORT ON PROSECUTIONS AND HOSPITAL ACCOMMODATION AT COBALT.

By R. W. Bell, M.D., December 23rd, 1905.

In accordance with instructions received at your Board meeting in October last, *re* prosecution of mine owners who refused to obey the Sanitary Regulations in Unorganized District, I visited Cobalt, in the Temiskaming District, during the first week of December, and again interviewed Mr. Wells, Manager of the Buffalo Mining Co., who had in September positively refused to comply with the Regulations. He was still of the same mind, and declined to make contract for medical attendance on his employees. I therefore laid an information before Magistrate Hartman of New Liskeard, charging him with "Neglect and refusal to contract (under clause 12) with one or more qualified medical practitioners for the medical and sanitary supervision of his employees and works." He appeared in court and offered no defence, except that he thought it an unjust law. The Magistrate fined him ten dollars and costs—four 75/100 dollars, in all fourteen 75/100 dollars, and warned him to obey the law, or a much heavier fine would be imposed if again brought up.

The following day he entered into a contract with Dr. Young of New Liskeard, for the required medical attendance.

I might here add, that the required hospital accommodation is not furnished by any of the mine owners at Cobalt, or their mines, and that the reported contracts in regard thereto are not being carried out. Both Drs. Field and Young of New Liskeard (whose representatives at Cobalt in September stated they were providing hospital, nursing and board for the medical fee of 50c. per month per man contracted for), now state that they are not furnishing these requirements for this fee. Such being the case the mine owners will have to pay the fees in accordance with the Act, if they continue to utilize the accommodation at New Liskeard, which however, is too far away from most of them, and as your Secretary wrote in a circular letter to each of them on September 23rd, "is clearly not in the interests of your employees, nor in compliance with the Act." He also wrote, "kindly let me know by return mail the name and address of the physician with whom you have contracted (clause 12), also what provision you have made for hospital accommodation for the men in your camp (clause 4)." Only nine replies were received, two saying they had contracted for hospital with the Doctor—two can provide at their camps, and the others have none or ignore that part of the request.

In September I suggested on your behalf to a meeting of mine owners that a Union hospital at Cobalt would be acceptable to your Board, but no action has been taken, therefore I see no other course to pursue, but to insist on a strict enforcement of the Regulations requiring hospital provision at each camp, and prosecution if neglected.

REPORT ON COBALT WATER AND ICE.

By Dr. Amyot.

At the direction of Dr. Hodgetts, a visit was made to Cobalt, New Ontario, on Tuesday, February 27th, 1906.

The population is variously estimated at from 1,200 to 1,500, much of it a floating one. The town is an unorganized one.

A Justice of the Peace and a constable represent the law.

The houses are for the most part temporary shifts built on top of the ground, with very little reference to streets of which there are no fixed ones. The houses are placed as close together as possible and in all directions. The land is becoming very expensive. Only the day before my visit, a small lot large enough for a house without a yard sold for $1,500.00. Other properties are being held for like figures.

The water is got from a couple of very questionable springs amongst the houses and through holes in the ice from Cobalt Lake. Previous analyses of these waters have shown all of them to be infected with intestinal bacteria, showing the liability of them to typhoid infection if other intestinal discharges should have typhoid bacteria in them, with of course other diarrhœal causative agents as well. There have been five cases of typhoid in the district since Christmas, three of which have probably been infected elsewhere, but the other two seem to have got their infection in the town.

The settlement is scattered over three more or less parallel ridges radiating somewhat to the north. Nearly one quarter of the houses at the present time drain towards Cobalt Lake, which has an area of about 50 acres. Its infection is thus accounted for. The other three-quarters drain into the valleys between the ridges. The ridges are covered with houses and the valleys are filled with them. There is one water closet about to five houses. Some of them seem filled to above the seats, and otherwise in a most filthy condition. Those houses having none have discharged on the ground. Garbage, wash water, urine and faeces all mixed together in frozen heaps out in the open, on top of rock, practically bare in its greater area. The cold has been steady so far and all is frozen, but when the thaws come the accumulations will be all washed into the valleys and the lake, polluting all the water sources. If nothing is done to correct the evils before the thaws, then in all human probability there will be a severe outbreak of disease in and about the settlement.

The township is now being organized, and notices of nomination and election of township officers are out. The following recommendations would seem to be indicated.

1st. That each "house-holder" be directed to clean up all the *debris* about his place and build a proper outhouse of the dry earth type.

2nd. That the township get the right to some piece of property near the town where the gathered up material might be dumped, preferably burned up. All the property is taken up but it is quite possible that a suitable site could be arranged for with some of the mine owners.

3rd. Under the circumstances a daily gathering of refuse should be established, the man gathering to be an officer of the town. It has been suggested that the town itself supply at the minimum cost a uniform kind of dry earth receptacle for the dry earth closets.

4th. The settlement should then at the earliest possible date make arrangement for an unquestioned municipal water supply—possibly from "Clear Lake." None of the waters in the town or in the immediate neighborhood are safe and especially is this so with reference to the springs in the town and of Cobalt Lake.

Some ice had been cut from Cobalt Lake. This water is questionable and of course the ice also. Those who had cut were instructed not to use it except for cooling purposes. As far as could be found only two had cut this ice, a general grocer and a butcher. Both understood that their cut is not to be used except for cooling purposes. They had already stored what they had cut. Future cutting was prohibited. A better supply could be got with only a slightly longer haul from Lake Sasaginaga at the back of the settlement. This Lake, as well as "Clear Lake," is situated much higher than the town and there are practically no habitations about it.

REPORT OF G. E. YOUNG, SANITARY INSPECTOR.

DR. CHAS. A. HODGETTS.
Chief Health Officer of Ontario.

DEAR SIR.—On account of a severe epidemic of typhoid fever in Cobalt, caused by bad water and filthy surroundings, and which the local Board of Health were not able to cope with, the assistance and co-operation of the Provincial Board of Health was asked for. I was called on, along with Inspectors Parker and Johnston (who had previously served under the Board of Health in Toronto), to assist me in the work of sanitation in that town.

Starting work under your instructions and with supervision of Dr. R. W. Bell, Provincial Medical Health Officer, we served over six hundred notices on owners of homes and tenants of houses to clean up and disinfect.

The general conformation of the locality seriously impeded the sewerage of the town, and large blocks were just as nature left them, sewage and other filth being allowed to run at large on the surface, and while we found a few of the citizens trying to carry our sanitary measures, the rank and file were just drifting along and paying no attention to those matters. One dairyman, who kept between thirty and forty cows, selling milk around town, had not removed the manure from his barns for years, and had also a herd of hogs running at large which were drinking and wallowing at a spring which he used for house use and washing milk cans. This herd was effected with cholera. Several were lying dead in the yard, exposed and rotting. At another part of the town a well used by hundreds was fed by a small stream coming down from a mine where garbage, old clothes, manure, tin cans, and a number of closets were draining into; still another

case where eleven loads of excreta and other filth had been allowed to lay and fester in the sun for years around a large boarding house. It is needless to mention that we found several typhoid patients here.

Wherever a few feet of earth was found above the rock the householders had put down wells, these frequently getting the drainage of garbage pit, closet, etc., from a short distance above.

We also visited boarding houses at all hours of the night so as to view the conditions more correctly, in many cases finding them overcrowded and herding like animals, little or no ventilation, and not half the air space as required by law.

This was the situation that met us along with hostile indifference, in some cases, I might say, to carry out our work by the easy manner in which the local board had handled these matters, so that when we came to revisit we found a large number had paid no attention to our instructions, and we were forced to take extreme measures by laying informations in the police court against them, and in all cases secured convictions.

We were occupied in this work about nine weeks, and when winter put a stop to our work the streets and town were well cleaned up and all surface wells filled and a large amount of sewerage put in. The Council were also passing garbage and other by-laws tending to good sanitary conditions. I also wish to thank Mayor Lang and a few other gentlemen for the able assistance they gave us in this work.

As Dr. R. W. Bell, Provincial Medical Health Inspector, was on the ground and supervising operations all the time, I have gone into these matters only in a general way, as he had all statistics and details I expect he will so report to you.

All of which is respectfully submitted.

(Signed) Geo. E. Young,
Inspector, Provincial Board of Health.

Cobalt, Oct. 31, 1909.

Dr. Chas. A. Hodgetts,
Chief Health Officer of Ontario.

Dear Sir,—While we were at work in Cobalt a large number of typhoid patients were being brought in from the adjoining mines in Coleman and Bucke Townships to the Red Cross Hospital there, and as it was considered necessary by you to have those inspected also, Parker, Johnston and I inspected a large number where operations were in progress, going down the shafts and travelling miles of drifting. With a few exceptions the surface surroundings were clean, but we found men using water taken from the rock for drinking in the lower levels and using the higher levels and cross cuttings for urinals and closets, even where the managers told us the men were liable to be discharged for doing so.

I found at the Cobalt Hydraulic Company, where barrels cut in two had been improvised for portable closets (these being removed and cleaned regularly), and good water used, there was very little sickness of a serious nature. The managers said they would not be without them, as they were a long move toward good health and also profitable, saying nothing of the cleanliness.

Where we found mines deeper than one hundred feet and with drifting we drew the mines managers' attention to clauses 12 and 39, section 164, of the Mining Act, where they are required to install portable closets and furnish good water for the use of the miners below; but in this important work we found serious obstacles put in our way by the jealousy of someone in authority around the mines, who imagined we were trespassing on his duties. From my own observation, I would suggest that this matter be made compulsory in the law without any loophole of escape, as men will not always come hundreds of feet to the surface, especially in cold weather or if taken suddenly ill.

I also inspected mines in South Lorraine, the power plants on the Montreal and Matabetchewan Rivers (all unorganized territory), the town of Haileybury, the village of Tomiko and the mining plant at Rib Lake.

The South Lorraine Mines had good water, reasonably clean, with a resident doctor; no sickness of a serious nature had occurred here. As these are new mining camps there was no accumulation of garbage, etc.

At one of the power plants I found the men seriously overcrowded and the surroundings filthy, especially around the bunk houses and kitchen, and I was forced to take this matter into the police court. Another had a polluted water supply; this I ordered changed and the place cleaned up. Several cases of fever had occurred here; while another that had clean premises and a supply of good water had no serious sickness. All these companies had resident doctors also.

At Haileybury, where there was a lot of fever, I met the Council and Local Board of Health, two sanitary inspectors were appointed, and I accompanied them through the

town. We got several convictions here, which had a salutary effect on the others, in the end getting a large amount of cleaning up done. With the help of the new sewerage system that is being put in, the town will be reasonably healthy.

At the village of Tomiko I found fever existed in a few families that were using water out of two polluted wells; these I had filled up, there being other good water wells in the village. I had a lot of cleaning done here, and Dr. McMurchy tells me no new cases of fever have developed.

At the Northland Mining Company at Rib Lake, where a number of cases of fever had occurred, they had been using water out of James Lake, a shallow water with decomposed vegetable matter in the bottom. Since taking water from Granite and Rib Lakes and cleaning up the premises, the fever has disappeared.

All of which is respectfully submitted.

Yours respectfully,

GEO. E. YOUNG.
Inspector, Provincial Board of Health.

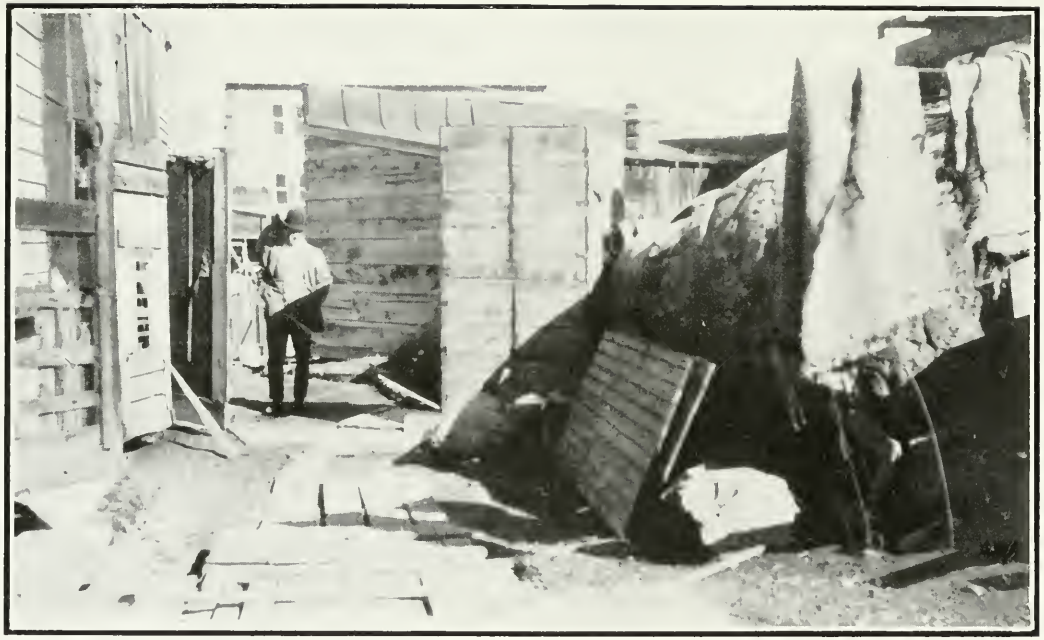
Oct. 31, 1909.

Cobalt. Hunter's Row of Cottages.

Cobalt. Rear of Hunter's Cottages.

Cobalt. Rear of Hunter's Cottages.

Cobalt. Front of Chinese Rooming House.



Cobalt. Well House of Packing Cases.

Report of the Toronto Laboratories of the Board

John A. Amyot, M.B., Bacteriologist. G. G. Nasmith, B.Sc., Chemist.

The following is the report on the work done in the Laboratory of the Provincial Board of Health, situated at Toronto, during the twelve months ending December 31st, 1909.

There were examined in all 5,479 specimens: of these

981	were swabs from cases of suspected diphtheria,
1,526	were sputa from cases of suspected tuberculosis,
1,299	were bloods from cases of suspected typhoid fever,
1,197	were water samples,
476	were miscellaneous substances.
5,479	

The work of the laboratory and its staff has been very various during these months. A noteworthy investigation was carried on with reference to the ozone plant at Lindsay. The report of this was presented to you at your last meeting. The printers have not yet finished with it. It has, however, got to the proof stage, and will probably be out very soon. It does not affect ozone treatment of water as a tried thing. It deals only with the condition found at Lindsay.

During these months also the experimental plant in Stanley Park, Toronto, for the investigation of water purification problems and sewage disposal, has been got finally into running order. So far, what has been done was of a tentative nature. However, we have been able to show that Lake Ontario water is filterable in a perfectly satisfactory manner. Very high rates can be got with great efficiency from both a physical and a bacteriological standpoint, and just at the present time we are prepared to start the serious work of the plant. We are looking forward to producing results as to water filtration by the slow sand method at various rates, to disinfect water with chlorine. We have a series of sewage sprinklers of a new type to experiment with; we have a series of bacterial tanks and sewage aerators ready to commence with, now that we have, finally, succeeded in being able to lift sewage from the large Garrison Creek trunk sewer.

During the past year we have been able to further test the efficiency of the disposal plants established at Innerkip and Colborne for the disposal of troublesome cheese factory waste at these places, and though these plants are not perfect, they, from a practical standpoint, have done all that could be desired. The nuisances that formerly existed at these places in the shape of bad odors, swarms of flies and the pollution of the small streams below have disappeared.

Also a device has been outlined by which the disinfection of railway cars can be successfully accomplished, also a method of the ridding of the same of vermin. Both of these I beg to present to you with this report.

The laboratory has been made use of by other departments of the service in some of the following ways:

A considerable number of liquor specimens have been examined for the

Table shows the number of specimens examined for the various counties of the Province during the past twelve months, and the results in the first three routine denominations as to whether positive or negative.

Report from Laboratory of Provincial Board of Health for the Year 1909.

County.	Diphtheritic Swabs.				Tuberculous Sputa.		Typhoid Bloods.		Miscellaneous Specimens.	Waters.		Total Number for Year.
	Release.		Diagnosis.							Chemical.	Bacterial.	
	+	−	+	−	+	−	+	−				
Algoma			6	5	7	10	1	3	2	3	24	61
Brant			1	1	8	9		5			2	26
Bruce	2	12	2	2	8	28		18	1		13	86
Carleton					2	11	10	45		2	70	140
Dufferin				4	4	9		11	5		2	35
Elgin			1	4	3	9		2			1	20
Essex	2	4	30	12	17	72	2	40			51	230
Frontenac											5	5
Grey	10	7	14	30	27	43	3	17	6		15	172
Haldimand					3	20	3	9	2		8	45
Haliburton				1	1	5		1				8
Halton	2		2	19	9	16	2	4			17	71
Hastings			2	4	12	21	4	8			24	75
Huron			2	13	5	23	1	20	1		26	91
Kent			2	1	11	40	1	14			8	77
Lambton			2	5	14	17	3	13	1		16	71
Lanark						2		1			5	8
Leeds and Grenvill											6	6
Lincoln			4	10	2	6	1	11	1		19	54
Middlesex			1		1	7	4	8			44	65
Muskoka			6	11	5	22	1	5	1		7	58
Nipissing			4	6	4	5		7	9		57	92
Norfolk		1	8	5	1	12	3	9	3		10	52
Northumberland and Durham			7	4	14	23	1	9			31	89
Ontario				2	5	8	1	2	1	1	2	32
Oxford			4	3	10	40	5	36	16		16	130
Parry Sound			2	6	1	15	3	16			36	79
Peel				3	2	3		4			9	21
Perth			2	1	6	9	2	14	5		12	51
Peterborough			1	3	5	11	1	4	70		29	124
Prescott and Russell			6	2	1	6	1	12				28
Rainy River				3		5			18		3	29
Renfrew		7	5	6	14	33	1	10	6		113	195
Simcoe	1		8	13	16	58	6	45			69	216
Stormont, Dundas and Glengarry			2	7	1	6	2	1			1	20
Thunder Bay		2	1	2	4	5		7	44		47	112
Victoria	1	1	3	23	3	13	1	12	9	2	62	130
Waterloo	1	1	12	16	13	57	3	21	1		19	144
Welland		4	18	11	11	19	7	35	2		40	147
Wellington	1	2	9	14	9	32	3	20	2		33	125
Wentworth	17	14	6	17	3	12		9	3		10	91
York	25	41	198	327	150	346	84	380	532	6	215	2,304

License Department, so many in fact that it has taken the whole time of one man to put the specimens through.

Soaps and disinfectants for the use in the Charities Branches have been examined and reported upon.

For the Game and Fisheries Department, factory wastes have been investigated as to their effects on fish, and waters have been analysed to see if they were suited for use in certain fish hatcheries about to be established.

For the Militia Department a series of water analyses have been made in investigations of water supplies to the London, Niagara and Petawawa Camps.

Special examinations were made for Ottawa, Pembroke and London in reference to water supply conditions there.

The analyses of water samples from Byng Inlet, where some three or four years ago a slow sand filter was established after a series of uninterrupted yearly outbreaks of typhoid fever had existed, have been continued. Typhoid has there been driven out. The only cases they have now are those brought in from the camps to the Hospital to be treated. None have arisen in the town since the establishment of this filter.

The routine examinations of swabs for the Mimico Industrial School have been continued. Up to three years ago continued outbreaks of diphtheria took place in this school. In swab investigation it was found that nearly 50 per cent. of the boys, especially those showing irritated nares and chronic throat irritation, were carrying typical diphtheria bacilli. During one whole summer by a process of separation and repeated taking of swabs it was possible to bring the infected ones down very materially. It was then recommended to the authorities by the medical officers of the Board to hold every newcomer apart until it was shown by duplicated swabs that he was not a carrier of diphtheria bacilli, before being permitted to go into the school. Those cases showing typical or suspicious organisms were held until their absence was shown on repeated swabs. There have only been sporadic cases, and very few have developed since this has been done. No outbreaks as of old have taken place since this method was adopted.

During the past months, at the permission of the Hon. Mr. Hanna, bacteriological and chemical analyses of milk have been carried on for the Milk Commission of the Academy of Medicine, Toronto, with the object of procuring certified milk. Three firms in consequence of the help and coaching have finally been able to produce a milk that comes up to all the strictest requirements of the Commission. Monthly or more frequent examinations are made. Often milk containing not more than 500 bacteria per cubic centimeter has been brought to the laboratory. Only on two or three occasions have samples gone over the 5,000 for winter and 10,000 for summer requirement. In the case of one producer the count has never been above 2,000 per c.c.

Regular monthly analyses have been made of the effluent of the various sections of the Toronto sewage disposal plant at the Woodbine.

The Disposal of Cheese Factory Waste.

A considerable amount of putrescible organic matter is daily to be got rid of by cheese factories. In some cases for want of drainage facilities it is allowed to accumulate about the factory, in others it is discharged into streams to drag its filthy course sometimes a considerable distance below. This is unsanitary. In consequence of the bad odors engendered and the filthy surroundings the

factory hands become careless, the milk is not handled in a cleanly manner, the milk producers get into slovenly ways and produce dirty milk. Flies are encouraged about the place (often they swarm). If the discharge is into a stream the water below is contaminated and is not good for man or beast.

In order to decide on the most representative factory in the east and in the west of easy access and to study the problems involved, factories in five districts, the Niagara, the Woodstock, the Stratford, the Colborne, and the Campbellford districts were visited to the number of twenty-five. These factories varied in size from those capable of handling 5,000 lbs. of milk a day to those with facilities to handle 30,000 lbs. a day. Thanks to the untiring energy and enthusiasm of the dairy instructors these factories were almost invariably in very fair sanitary conditions. On all hands those who know would tell you that the chief improvement had been during the last few years, and yet one could frequently locate the factory by the characteristic odor of the whey tank and the accompanying dirty areas.

The quantity of water used for cleansing in the various factories was great or small, not in proportion to the quantity of milk handled but to the quantity of water available.

Most of the factories were situated well away from habitations. But many of them were a nuisance at greater or less distances on account of the pollution of the ditch or stream receiving the waste.

Much fat runs off with the water, and this takes a long time to purify and sticks to much on its way down, and gives rise to very foul odors. In the summer time when the streams are low, the small quantity of water used is not sufficient to dilute the waste or to flush it away.

Every cheese factory visited was provided with a steam boiler for power, for sterilizing and for hot water.

To realize the problems involved one should follow the process of manufacture. After the curd in the vats has sufficiently formed and reached the necessary acidity, the whey is strained off. In most factories this flows over the floors and back into the drains to the whey tanks, carrying with it any dirt that lies on the general floor of the factory. Many of these are of cement and well constructed and drained to a sump to be pumped or run directly into the whey tanks. Some are of wood and well caulked and swollen by being kept moist, and drain off well to the tank. Some are defective, and the whey runs under the floors and all about, resulting in filthy conditions. The whey tanks are often too small, the pipes leading to them are too often defective and leak, so that soaking of the ground in the neighbourhood is common, and when putrefaction takes place a nuisance results. Flies are encouraged and are a great source of danger and annoyance. In the springtime when the farmers are busy and are short of pigs to feed and the roads are bad, the whey is not carried away for two or three days at a time; then also on Monday morning, when the Sunday as well as the Monday milk is done, overflow into the neighbouring watercourses becomes necessary, with the consequent nuisance. After the curds are transferred to the sinks for turning over and draining, the vats are flushed out onto the floors, the floors are flushed off. In most places this is run off into the watercourses and constitutes the greater part of the sewage of the factory. The only legitimate reason for not putting it all into the whey tank is that the water quantity would dilute the whey too much and thus reduce its food value, but beyond its flavor there is comparatively little foodstuff in it in any case. There is an objection to carrying

water by horse-power back to the farms. To object to it on account of the dirt on the floor is hardly reasonable, for the first whey rids the floor almost completely of dirt.

The curds are now rarely washed in the process of manufacture. During the various turn-overs they receive, more whey and much fat runs away. This all goes to the whey tank. During the pressing of the curds more whey but very much fat is squeezed out. In some factories this fat is made into butter and realizes a fine bit of pin-money for the cheesemaker. The rest of it reaches the whey tank. Then all the utensils are washed up usually just with hot water, and this water run away to the tank or into the watercourse.

The towels, head cloths and large sheets used are washed in water with the aid of some cleansing compound. This water now becomes sewage, so that we have whey, diluted whey, dirty water and wash-water to deal with.

Much by-product could be saved. From the dripping from the presses much good butter might be made. When the whey is collected without floor washing, the fat might very profitably be collected and rendered into very useful oil. It has been suggested by some that it be separated by the centrifuge and made into butter. When the whey is to be used for food the feeders might object to this diversion of the fat.

In small factories when the least amount of water possible is used, for washing, and in large factories when only the first washing is to dilute the whey *all should be run into the whey-tank and all used as food.* The dilution would be negligible. The extra amount of dirt is only the slightest since most has been washed in by the first flood of whey. In some factories the whey is carried away in barrels, in others it is carried back to the farm in the milk cans. This is the only legitimate reason for separating the washings from the whey. A far more serious objection to using the cans is the carrying of infections, of bitter yeasts, objectionable bacteria, and pathogenic ones from the mixture in the common tank to all of the farms, for it is very rare that the washing of the cans themselves is very efficient, not to speak of sterilization of them before putting the new milk in. The factory then runs the risk of turning out defective cheese, and the disease of one farm is carried to the others. All of these objections could be quite easily overcome, as has been done at the Innerkip factory, by heating the whey in the tank up to about 175° F. with exhaust steam from the engine or by steam directly from the boiler. Not much is required, and a few perforated pipes in whey tanks to let the steam into the whey is all that is needed. The advantages are these: The spread of infection is checked, the whey is brought home hot (an advantage in feeding), the hogs are saved the possibility of developing tuberculosis until such times as the formidable machinery that will be necessary to fight tuberculosis in cattle can be got going. At Innerkip the only complaint from the farmers is on Monday morning when the Sunday and Monday milk is run through and therefore not all sterilized. Again, diarrhœas have diminished perceptibly in the whey-fed hogs since this heating has been done. The cans are much more easily washed than before. In this particular factory they would not willingly go back to the non-sterilizing days.

This draining of nearly all into the whey tank would leave for disposal in small plants, the cloth-washing water only. This could easily (it is only 20 or 30 gallons at most) be distributed at one spot and another on the grounds of the factory at a fair distance from the factory.

In those factories using much water the case is different. If the waste is not to become a nuisance it must be treated.

The proteid material in it is not difficult to handle; the sugars are not, but the fat which is in a finely divided emulsion presents a good deal of difficulty. Retention in storage for 48 or 72 hours, and the putrefaction that takes place will separate much of the fat, allowing it to rise to the surface. But this longer time even is not wholly sufficient, for putrefaction takes place slowly.

Longer retention means expensive tankage. In both of these factories we have tried a 48 hours retention, and to favor the reactions as much as possible we have taken advantage of as many of the possible favoring conditions that we could. The tanks are divided into several communicating compartments by baffle boards, so that everything that will fall to the bottom will remain there and all that will float will be held, the outlet being so placed that it will empty from the fluid between the sediment and the scum.

Sandy land was available in both places (one made, the other natural). This was used for intermittent land treatment, but by subsurface irrigation so as to avoid the encouragement of flies, the unsightly appearance and the odors of putrefaction.

Both plants have given satisfaction. There have been no nuisances about either factory. That specific cheese factory odor has disappeared from both localities. During the last two years the flies have been a considerable nuisance in other localities. In these two factories they have practically been absent, and whereas before very legitimate complaint was made about the streams below, no nuisance exists in this regard.

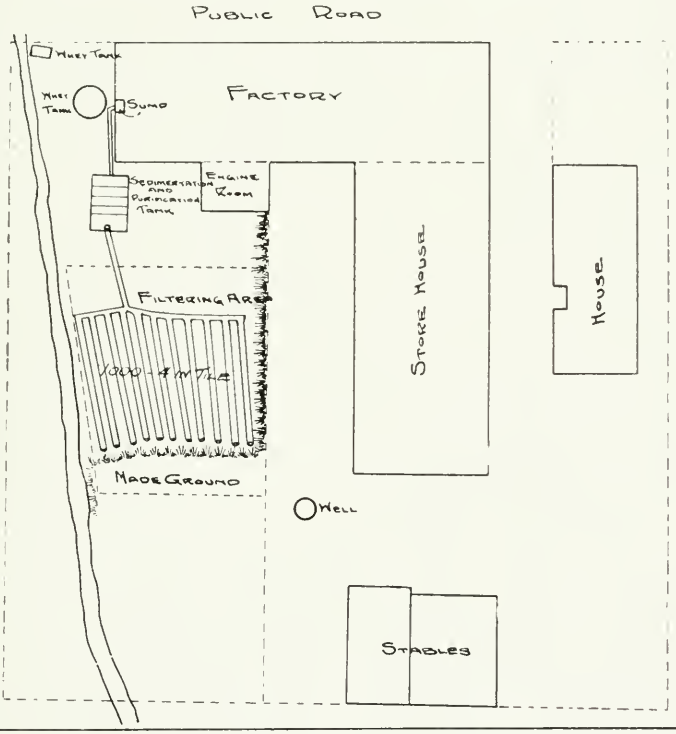
The same type of plant has been installed at each of the factories selected.

These plants consist each of a concrete elongated compartmental retention reservoir or tank of a size sufficient to hold two average days' discharge. From the retention tank the now partially-treated whey passes to a discharge reservoir (or flush chamber). This "flush chamber" is of a capacity sufficient to hold one half day's quantity of sewage. It is provided with a float indicating when this level is reached. A hand valve is provided to liberate the fluid. The next part of the plant is an "Intermittent land filtration bed." (The land in both cases is of a very porous sandy character, through which fluid drains away quickly.) This is of a size corresponding to the quantity of sewage to be treated, taking such land to be able to treat such tank effluent at the rate of approximately 25,000 gallons per acre per day. The sewage is not poured onto the surface of this area, for of necessity the areas are within a hundred feet of the factories. If the discharge was made on the surface, odors and unsightliness would obtain, and besides flies would probably be attracted in large numbers. To avoid all this we have placed garden tile subsurfacelly in rows some two feet apart over the whole area. We have used four-inch tile (ordinary field tile). These approximately hold one-half gallon each. The number then required for one half day's supply is easily calculated out.

Now whatever is left of the sewage after going through this plant into the nearby stream is practically pure water.

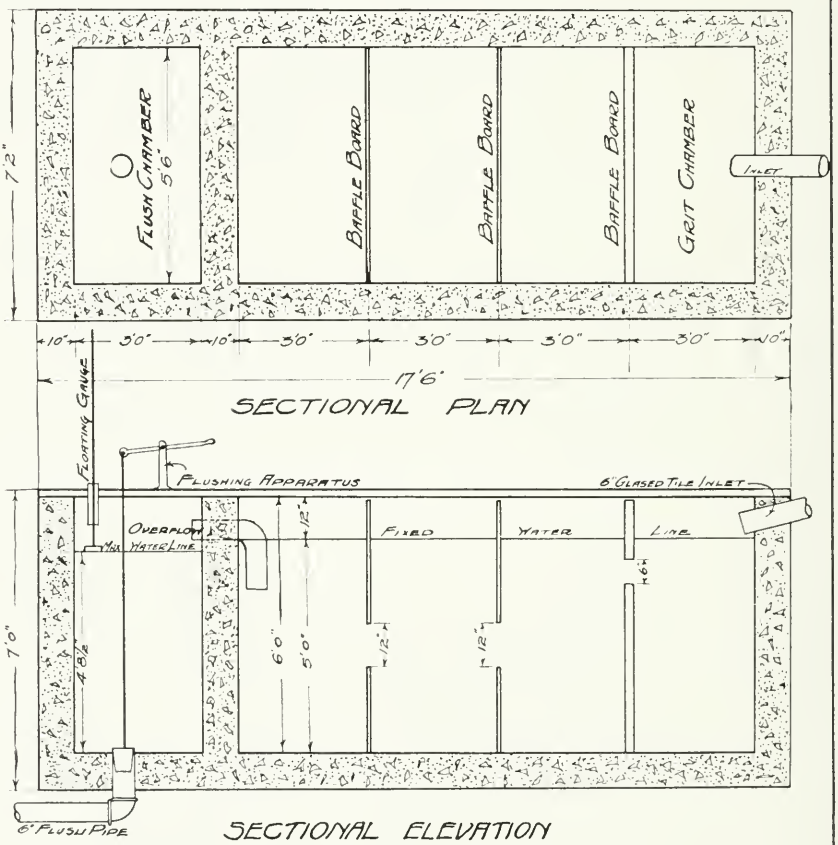
The long retention, adopted in these plants in the sedimentation tanks, was done with the idea of encouraging all the sedimentation possible and all the separation of floating material, especially fat that could be done within practicability. Whey, when undergoing putrefaction gives rise to a considerable quantity of acid, especially if it is so confined that the acid does not get away. This acid is a considerable inhibitor of ordinary putrefactive bacterial activity, so that time must be called upon to help out. By the putrefaction which takes place, the emulsion

INNERKIP CHEESE FACTORY
WASTE TREATMENT EXPERIMENT



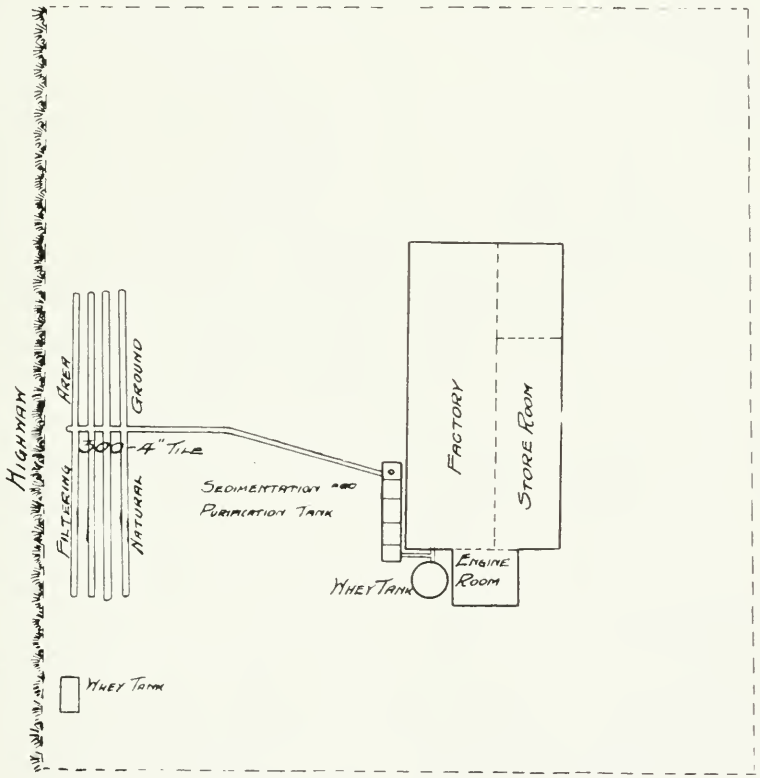
INNERKIP ONT

SEDIMENTATION AND PURIFICATION TANK



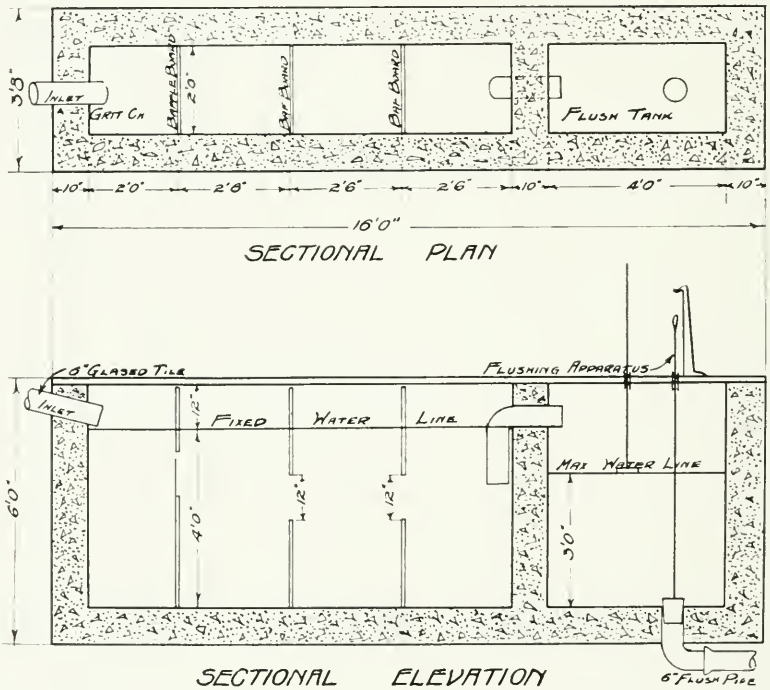
COLBORNE CHEESE FACTORY

WASTE TREATMENT EXPERIMENT



COLBORNE ONT

SEDIMENTATION AND PURIFICATION TANK.



sustaining nitrogenous material is decomposed, thus liberating the fat. This then floats to the surface. With larger tank capacity and dilution much could be done to encourage this process, but then one gets into expensive tank construction, and cheese factories cannot go to the expense this would entail.

Detailed Description of the Innerkip Plant.

The daily discharge of waste at this plant averages 1,000 gallons.

The tank proper is 12 feet by 5 feet 6 inches by 5 feet in depth and calculated to hold approximately 2,000 gallons, so as to give a two days' retention.

The flush tank or chamber at the end of the former tank is of a size sufficient to hold 500 gallons. To indicate this to the factory operators a float is provided. A hand valve is provided whereby the collected effluent may be discharged. The valve consists of a tapering heavy lead stopper fitting into a concrete ring and is operated by a handle from the top of the tank. It has worked very well. On account of its softness it fits very snugly. We did not adopt a copper automatic valve in fear of the action of the considerable quantity of lactic and other acids in the effluent.

One thousand four-inch field tile were placed in rows two feet apart to receive the now half treated sewage, and thus distribute it evenly over the whole area so that each portion would do its share in the final disposal. It is quite admitted that the bed is overworked, but it is only for five months in the year that the plant is required to be in operation. The rest during the next six or seven months is expected to restore its efficiency, and the experience of the last two winters has sustained this expectation.

The tile is buried under 10 or 12 inches of a very sandy soil, which in this case had to be hauled from a distance to make the bed. The soil in the immediate vicinity of the factory where the sewage could be conducted by gravity was heavy clay and not suitable for this sort of work.

The plans 1 and 2 will show in detail the construction of this plant.

Detailed Description of the Plant at Colborne.

The daily discharge of sewage from this factory is from 200 to 250 gallons.

The sedimentation tank in this case is 9.5 feet by 2 feet by 4 feet in depth inside measurement, and calculated to hold approximately 450 gallons, or two days' discharge.

The flush chamber is constructed like the one at Innerkip, with a capacity of about 150 gallons. The valve and float are the same as at Innerkip.

The subsurface irrigation is carried on through 300 four-inch farm-tile, buried from 10 to 12 inches below the surface in a good, porous, natural soil.

The plans 3 and 4 will show in detail the construction of this plant.

These plants have now been in continuous operation during two seasons.

At the end of each season the first compartment in each had about one foot of scum on the top and about one foot of sludge at the bottom, the next chamber had about six inches of scum and the same of sludge, the next about two inches of scum and the same of sludge; the last chamber had only about one-half inch of scum and about the same of sludge. The effluent passing into the flush chamber was still turbid and contained some suspended matter, but was much less turbid than the fluid in the grit chamber or first compartment.

The odor was bad when the cover was lifted, but was not noticed in the factory, for the vent pipe was carried to above the roof, and escaped high enough up. The scum if rendered down ought to yield quite a quantity of good fat for, say, tannery purposes. The sludge will have to be taken out or buried or disposed overland. It is all organic matter; nevertheless it has not disappeared, as it was once claimed by septic tank promoters would happen. But one cleaning a year is not a hardship. It is localized and not all over the neighbourhood.

No trouble has been experienced with the tile. However they were not without deposit in them. They contained about one-quarter of their capacity of sludge, made up of little pieces of casein and fat chiefly. The earth about the tile was not sludged at all. The inside of the tile was greasy throughout their circumference. This sludge can be cleared out from the flush tank by using two or three quantities of clean water if the ends of the tile rows are opened up. The grease in the pipes can in great part be removed then by flushing with boiling water, thus avoiding the necessity of removing the tile, which we quite expected to have to do every two years at least. Standing over all winter after this was done would about complete the removal of the fats from the inside.

When butter-making is being done there is no sewage being produced necessitating the use of the plant.

At Colborne the results are precisely what were found at Innerkip.

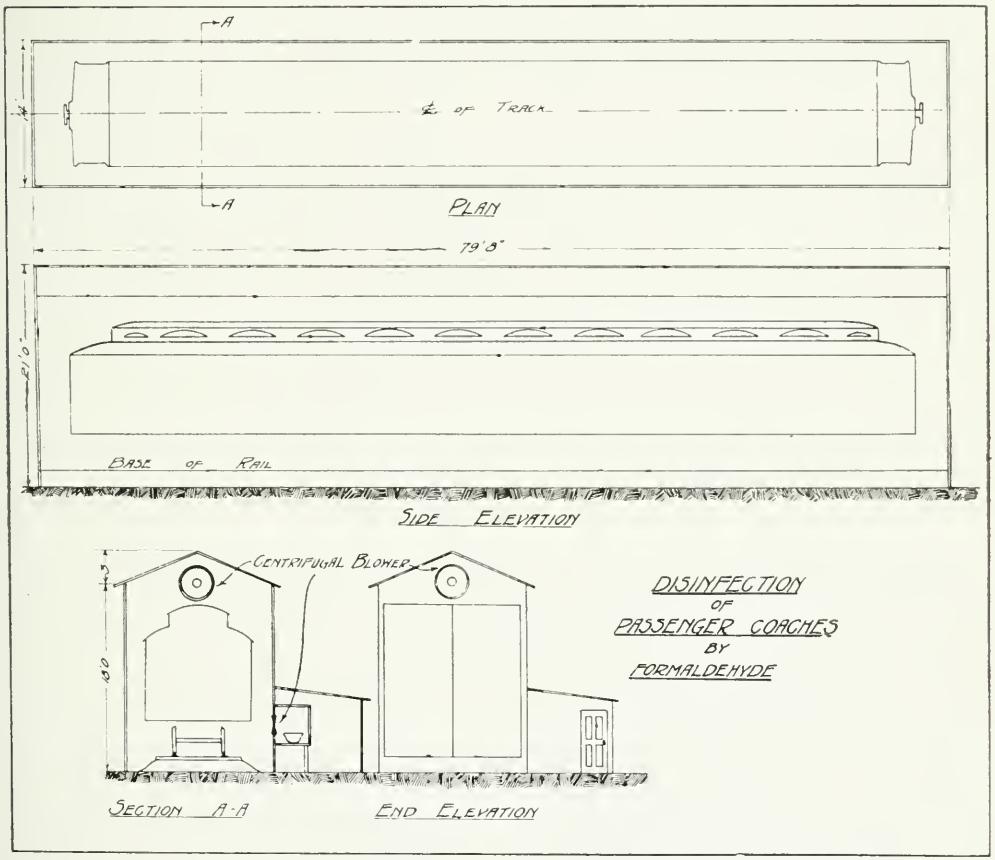
Bacterial treatment in these two cases has not been able to remove all of the organic matter, but has removed much, but with some mechanical aid has given excellent practical results.

From the above the conclusion is justified that when little water is used sewage disposal is not necessary. All of the washing and the whey, if whey tanks enough are provided, should be hauled away to supplement hog feeding. Any infection or ordinary dirt in it can be rendered harmless by a simple sterilization.

The laundry water would be dangerous on account of the alkalies used. This water could be efficiently dealt with on the ground of the neighbourhood, provided it is not discharged on the same spot each time it is thrown out. It is not greater in quantity than the laundry water of an ordinary fair-sized household. If a large quantity of water is used, the whey would be too much diluted. The washings and flushings should be treated. The method employed at Innerkip and at Colborne, though not perfect, would fill the requirements in nearly a perfect manner, at least for all practical purposes.

A Simple Procedure for the Disinfection of Passenger Coaches and to Kill Vermin in Them.

Formaldehyde from commercial formaline is a gas best suited to disinfect aerially rooms and such places. Hydrocyanic acid generated from the decomposition of cyanide of potassium by a mineral acid has proved the most efficient method or material for killing vermin such as fleas, lice, cockroaches, bedbugs and mosquitoes. In order to use these substances efficiently it is necessary that the rooms be so well closed that there is practically no loss of gas, to prevent expense, and most of all to efficiently carry out the disinfection or the insecticidal functions of these. For formaline disinfection proper temperature and a sufficient amount of moisture is required. In passenger coaches, on account of the many windows, doors, ventilators, pipe-openings and various other fixtures, it is next to impossible to make them gas-tight. All of these difficulties could be overcome by placing



DISINFECTION OF PASSENGER COACHES BY FORMALDEHYDE

the car in a practically air-tight house, which can be cheaply built of metal and lined with soldered tin to make it air-tight. This need not be much larger than the ordinary coach. It could be made large enough to receive two or three coaches, if such be desired, and it is not an expensive structure to make. The door only need give any trouble to complete closure. The car or cars placed in this chamber may have all of their doors and windows opened wide. The requisite amount of humidity in the air could be secured by ordinary sprinkling pipes being attached to the sides of the chamber some eight or ten feet from the floor. Water dripping down the wall and down to the floor and left there for fifteen or twenty minutes would very soon bring the air up to the humidity required. The water could be run off to a sump hole, which could very easily be drained over to a sewer. A regulation steam coil would give the required temperature. A chamber at the side of this disinfecting house could be placed in which the formaldehyde could be liberated and then driven by fan into the disinfecting house. The chamber would also serve the purpose of an observation look-in. A couple of small fans in this house could be placed so as to mix the formaldehyde and air uniformly throughout the chamber. The gas could then reach all parts of the exposed bedding, cushioned chairs and seats, the inside and outside of the car and lavatories as well, with the least amount of gas expenditure. The exposure could be made as long as desired. An hour would serve all purposes. The formaldehyde, which is so objectionable in odor, could then be removed very rapidly by a suction fan at one end of the chamber and an inlet fan at the opposite end. Both of these while disinfection is going on can be kept closed to prevent loss of gas.

Now to kill vermin the cyanide of potash could be decomposed in the same chamber as the formaldehyde was liberated from and by the same fan be driven into the fumigating house, and when the half hour's exposure had been complete, could be pushed out and drawn out by the fans mentioned for the extraction of the formaldehyde gas. In this way perfect disinfection and complete insecticidal action could be secured at a minimum cost of apparatus, material and building.

Sewage Effluents examined from July 1st, 1909, to January 1st, 1910.

Town.	Number of Specimens.
Stratford	19
Toronto (Woodbine)	38
Beachville	7
London	4
Total	68

Chemical Waters examined from July 1st, 1909, to January 1st, 1910.

Town.	Number of Specimens.
Ottawa	7
Cobalt	4
Lindsay	18
Parliament Buildings	4
Bowmanville	4
Toronto (Experimental Plant)	44
St. Catharines	3
Burk's Falls	2
Bobcaygeon	1
Berlin	3
Total	90

LIQUORS FROM LICENSE BRANCH FROM JULY 1st, 1909, TO JANUARY 1st, 1910.

Laboratory Number.	County.	Alcohol (proof spirit)	Laboratory Number.	County.	Alcohol (proof spirit)
3,240	Algoma	7.08	4,293	Welland	5.94
3,241	"	6.85	4,294	"	71.34
3,242	"	10.86	4,333	Wellington	68.48
3,243	Lambton	1 76	4,334	"	75.88
3,244	"	2.05	4,335	"	72.09
3,402	Owen Sound	.54	4,336	"	73.65
3,403	"	23.64	4,337	"	4.34
3,404	Wellington	1.99	4,400	Oxford	....
3,405	Lambton	30.77	4,529	"	6.57
3,406	"	4.54	4,530	"	.85
3,407	Wentworth	.94	4,531	Nipissing	6.79
3,408	"	1.92	4,532	"	6.74
3,409	"	2.13	4,533	"	1.15
3,410	Lambton	82.42	4,546	"	1.37
3,411	"	7.27	4,547	"	.91
3,479	Nipissing	10.32	4,548	"	.68
3,480	York	none.	4,549	"	1.31
3,481	"	12.35	4,550	Wellington	74.91
3,482	Nipissing	4.65	4,582	Algoma	7.29
3,483	"	4.72	4,583	Nipissing	1.15
3,484	"	3.40	4,587	Grey	1.50
3,485	"	.80	4,632	Simcoe	....
3,486	"	4.60	4,633	"	.59
3,487	"	2.1	4,634	"	2.54
3,488	"	3.62	4,635	"	....
3,489	"	1.20	4,636	"	.94
3,507	Algoma	.91	4,720	"	1.20
3,508	Simcoe	60.72	4,724	Grey	7.97
3,511	York	22.50	4,725	"	7.53
3,615	"	1.47	4,800	"	6.72
3,661	"	none.	4,801	"	7.18
3,662	"	"	4,802	Elgin	5.92
3,663	"	"	4,980	Wellington	75.83
3,664	"	1.69	5,003	Wentworth	.77
3,665	"	1.47	5,004	"	5.73
3,666	"	1.92	5,187	Grey	1.19
3,701	Wellington	19.34	5,195	"	7.79
3,702	"	18.61	5,196	"	8.35
3,703	Wentworth	6.83	5,197	Wellington	77.58
3,704	"	6.5	5,371	York	8.67
3,705	Wellington	7.25	5,380	Haldimand	6.72
3,706	"	none.	5,381	"	1.41
3,707	"	27.	5,391	Lanark	1.38
3,708	"	45.	5,392	"	6.67
3,822	Essex	none.	5,393	"	1.24
3,823	Simcoe	.82	5,613	Algoma	4.92
3,891	Grey	1.06	5,614	Lincoln	6.86
3,892	"	.17	5,615	"	7.22
3,893	"	.21	5,618	"	61.14
3,894	"	.19	5,619	"	38.56
3,895	"	1.52	5,620	"	67.03
4,054	York	13.10	5,621	"	73.67
4,106	Hastings	2.03	5,711	Victoria	1.61
4,007	"	2.38	5,712	"	1.99
4,265	"	7.97	5,713	Simcoe	2.03
4,266	Nipissing	7.81	5,714	"	.47
4,267	"	6.86	5,715	"	....
4,268	"	7.01	5,716	"	2.45
4,269	"	.78	5,734	Nipissing	5.85
4,270	"	1.26	5,735	"	1.85
4,271	"	7.51	5,736	"	1.06
4,272	"	7.5	5,737	"	1.66
4,273	"	6.43	5,738	"	7.01
4,274	"	66.41	5,965	Lambton	1.78
4,292	Welland	11.14	5,966	"	1.13

LIQUORS FROM LICENSE BRANCH FROM JULY 1st, 1909, TO JANUARY 1st, 1910.
Continued

Laboratory Number.	County.	Alcohol (proof spirit)	Laboratory Number.	County.	Alcohol (proof spirit)
5,967	Lambton	1.62	6,406	Nipissing	85
6,023	York	16.40	6,407	"	.85
6,042	"	16.45	6,502	Grey	7.99
6,110	"	7.64	6,503	"	8.02
6,111	Nipissing	5.99	6,663	Brant	2.87
6,173	York	12.61	6,664	"	none
6,215	Renfrew	1.61	6,667	"	2.80
6,231	Bruce	7.78	6,676	Grey	6.65
6,350	Nipissing	.....	6,677	Wentworth	2.52
6,351	"	23.79	6,731	Simcoe	10.76
6,352	"	15.07			

MILK SAMPLES EXAMINED CHEMICALLY FROM JULY 1ST, 1909, TO JANUARY 1ST, 1910.

Laboratory No.	Specimen number.	Town.	Fat.	Formaldehyde.	Borates.
3,542		Simcoe.	4.25	None.	None.
3,617		Toronto.	3.50	"	"
3,618		"	4.50	"	"
		"	3.00	"	"
		"	2.50	"	"
		"	3.00	"	"
3,788	25	Peterboro.	3.50	"	"
3,789	26	"	3.75	"	"
3,790	27	"	3.50	"	"
3,791	28	"	4.00	"	"
3,792	29	"	3.50	"	"
3,793	30	"	4.00	"	"
3,794	31	"	3.75	"	"
3,795	32	"	3.50	"	"
3,796	33	"	3.75	"	"
3,797	34	"	3.25	"	"
4,032	1	"	4.00	"	"
4,033	2	"	3.50	"	"
4,034	3	"	4.00	"	"
4,035	4	"	4.50	"	"
4,036	5	"	3.75	"	"
4,037	6	"	3.50	"	"
4,038	7	"	4.75	"	"
4,039	8	"	4.00	"	"
4,040	9	"	4 75	"	"
4,041	10	"	4.00	Present.	"
4,042	11	"	4.25	None.	"
4,043	12	"	3.00	"	"
4,217	1	Fort William.	2.5	"	"
4,218	2	"	23.00	"	"
4,219	3	"	16.00	"	"
4,256	1	Cobalt.	2.5	"	"
4,255		Toronto.	3.75	"	"
4,275		"	4.25	"	"
4,276		"	3.25	"	"
4,277		"	3.00	"	"
4,429	26	Peterboro.	3.00	"	"
4,430	27	"	4.00	"	"
4,431	28	"	3.50	"	"
4,432	29	"	4.25	"	"
4,433	30	"	4.75	"	"
4,434	31	"	4.00	"	"
4,435	32	"	4.00	"	"
4,436	33	"	4.00	"	"
4,437	34	"	4.25	"	"
4,438	35	"	3.75	"	"
4,439	36	"	4.00	"	"
4,440	37	"	3.50	"	"
4,675	1	Fort William.	4.00	"	"
4,676	2	"	3.50	"	"
4,677	3	"	4.25	"	"
4,738	1	Kenora.	3.50	"	"
4,739	2	"	4.50	"	"
4,740	3	"	5.00	"	"
4,741	4	"	4.50	"	"
4,742	5	"	3.00	"	"
4,743	6	"	3.75	"	"
4,744	7	"	4.00	"	"
4,745	8	"	4.00	"	"
4,746	9	"	3.25	"	"
4,747	10	"	3.25	"	"
4,748	11	"	4.50	"	"
4,749	12	"	4.75	"	"
4,750	13	"	4.00	"	"

MILK SAMPLES EXAMINED CHEMICALLY FROM JULY 1ST, 1909, TO JANUARY 1ST, 1910.—*Continued.*

Laboratory No.	Specimen Number.	Town.	Fat.	Formaldehyde.	Borates.
4,751	14	Kenora.	7.00	None.	None.
4,752	15	"	4.00	"	"
4,753	16	"	3.75	"	"
4,754	17	"	4.75	"	"
4,755	18	"	4.00	"	"
4,831	1	Toronto.	4.75	"	"
4,832	2	"	3.75	"	"
4,893	1	"	3.75	"	"
5,061	13	Peterboro.	3.50	"	"
5,062	14	"	3.50	"	"
5,063	15	"	4.00	"	"
5,064	16	"	.....	"	"
5,065	17	"	2.75	"	"
5,066	18	"	3.75	"	"
5,067	19	"	3.00	"	"
5,068	20	"	1.50	"	Present.
5,069	21	"	2.75	"	None.
5,070	22	"	2.50	"	"
5,071	23	"	3.00	"	"
5,072	24	"	.....	"	"
5,110	1	Fort William.	3.50	"	"
5,111	2	"	2.50	"	"
5,112	3	"	3.50	"	"
5,113	4	"	4.50	"	"
5,114	5	"	3.00	"	"
5,115	6	"	4.00	"	"
5,323	1	Uxbridge.	4.50	"	"
5,448	1	Orangeville.	4.00	"	"
5,554	1	Toronto.	2.50	"	"
5,555	.....	"	3.00	"	"
5,584	.....	"	3.5	"	"
5,999	.....	"	2.75	"	"
6,000	.....	"	2.50	"	"
6,001	.....	"	3.75	"	"
6,116	.....	"	3.00	"	"
6,117	.....	"	3.50	"	"
6,430	.....	"	3.50	"	"
6,431	.....	"	3.00	"	"
6,432	.....	"	4.50	"	"
6,606	.....	"	4.75	"	"

SYNOPSIS OF WORK DONE AT THE KINGSTON BRANCH LABORATORY OF THE PROVINCIAL BOARD OF HEALTH FOR THE TWELVEMONTH ENDING DECEMBER 31st, 1909.

DR. W. T. CONNELL, Assistant Bacteriologist of the Board.

Counties.	Diphtheric Swabs.				Tuberculous Sputa.		Typhoid Bloods.		Miscellaneous Specimens.	Waters.		Total Number for Month.
	Release.		Diagnosis							Chemical.	Bacterial.	
	+	−	+	−	+	−	+	−				
Algoma					1	1						2
Bruce					3	5	2		1		5	16
Carleton					20	29	6	10			6	71
Essex						6	2					8
Frontenac	11	32	28	147	96	227	149	221	110		171	1,192
Haldimand						1					1	2
Hastings			4	14	18	32	1	13	5		9	96
Lanark	7	14	2	6	3	10	11	3	1		13	70
Leeds and Grenville.	3	4	5	18	31	47	34	28	15		106	291
Lennox and Addington		1	4	13	17	44	13	14	7		41	154
Nipissing						4					9	13
Northumberland			1	1	4	10	2	3	3			24
Oxford						1						1
Parry Sound					1	2						3
Prescott and Russell.		1	3	11	8	12	1	1	2		1	40
Peterboro					3	3			3			9
Prince Edward											1	1
Renfrew	4		13	11	22	25	7	4	3		2	91
Simcoe				2		2	27	14				45
Stormont, Dundas and Glengarry		1	2	5	24	43	13	6	8		12	114
Thunder Bay						2						2
Wentworth					2						1	3
	25	53	62	228	253	506	268	317	158		378	2,248

THE LIMITATIONS OF THE DOMESTIC SEPTIC TANK.

By Chas. A. Hodgetts, M.D.

(Read before the Municipal Section of the American Public Health Association.)

During the past decade the so-called septic tank with the surface or subsurface distribution of the sewage effluent has been adopted in many districts of Ontario, and I presume in a similar manner has found a place in many of the States. With us the system was encouraged by some sanitarians, and no doubt in many instances the results have proven very acceptable particularly to the inmates of the home who have been able to indulge in all the luxuries of the bath and toilet which heretofore had only been within the possibilities of the dwellers of a well sewered town or city, while at the same time sewage has been disposed of without creating a nuisance.

But snags have been struck which to the ordinary householder are difficult to understand and are hard for the sanitary officer to explain away—such difficulties as, for instance, the valve getting out of order particularly in the winter season. Then follows the discharge of the sewage through the overflow pipe on to the ground, often at a point adjacent to the house, subsequently trickling into the cellar, thus creating a nuisance and proving injurious to health, and producing conditions which are difficult to remedy in frosty weather; or the frost is unusually severe and the tank freezes when follow conditions similar to those just outlined, or it may be the subsurface pipes at some point in the system become "touched with the frost" when sewage becomes in evidence to both the nose and the eyes; or what is worse yet the land in which the tiles are placed is not of a character as to efficiently work the system and the land becomes sewage soaked, thus creating a serious nuisance and a menace to the health of those living in the immediate vicinity.

These conditions thus briefly outlined sooner or later are self-evident and call for the adoption by the householder of active remedial measures, of course for the sole benefit of himself and family, not to mention his neighbours who are often the greater sufferers, for the tendency of the owner of the system is to drain away from his own premises, in which case it often requires the interference of the local health authorities.

But another more serious danger exists, one which is not so self-evident, and one which it is possibly more difficult to prove as being caused by this or that particular system. It is the pollution of nearby wells; indeed, it may be the well of the owner of a particular system that may be polluted, certainly at various times even if the precaution has been taken to distribute the sewage at a point inferior to his own well, for the underground waters may run in direct variance to the lay of the earth's surface.

It is not, however, the application of the septic tank to the truly rural district to which I desire more particularly to refer, for in my opinion it is to the rural home with its acres of land that the system is more particularly adapted, but even here its installation should not be left to amateurs. In every instance its designing and construction should be carried out by and under a skilled person. Any fool can build a concrete tank to hold the sewage, and he may even lay a given number of tiles, but to work out the question properly requires the engagement of one skilled in this particular work.

I wish to refer particularly to the adoption of this system in small towns and villages, for in my experience it is just here that health authorities should draw the line, and a very hard and fast line, too. Why, only the day this paper was written two persons from different towns in Ontario sought advice in respect to plans for such a system, one where the lot was 40 by 160 feet, and the other a laundry man whose lot was 20 by 150 feet—in both instances the population of each municipality was about 5,000, and in both towns they have waterworks systems and in neither have they a sewerage system because the ratepayers are too mean to install the same. The applicant in the one case was the Chairman of the Local Board of Health who was bemoaning the fact that the town had been halting so long in regard to sewers, and yet he wanted to know if there was not some way they could accommodate the particular ratepayer he represented. I advised him not to permit it, and added—each septic tank and cesspool you have in P— is a spike in the coffin of your sewerage system and a vote against any by-law you may submit.

For local health authorities of any incorporated village or town to sanction the general introduction of the septic tank with subsurface irrigation is, in my opinion, unwarranted, and for sanitary reasons should be condemned. Man is innately selfish when it comes to the disposal of his own domestic sewage. So long as he gets rid of it without in any way endangering the health of himself and family, and without offending their olfactory nerves he is quite content and he will often go to considerable trouble in doing it, but there are others who must be considered in this matter. True, self-preservation in all things is the first law of nature, but under modern environment it is the duty of the health authorities to see that the lives and happiness of "the others" are not endangered, for the resident on the higher land will invariably if left to his own devices drain his filth towards the lower land, which in most instances is not his own, and certainly is away from the family residence.

The objections to these installations in towns and villages, particularly where the chief source of water supply is from wells, are very strong, for contamination of the waters must and does occur by reason of the often general adoption of this system, owing either to the inadequate area of land at the disposal of each householder or the unsuitable character of the soil or the propinquity of the system to surrounding wells.

I have knowledge of a town of some five thousand persons which has a limited public water supply of 100,000 gallons of water daily, where the council has recently refused to carry out the wishes of the ratepayers to install a sewerage system where there are a large number of these private systems operated in clay land, which is far from suitable for the efficient disposal of the effluent, and where in some instances the sewage is very conveniently for the householder run not into septic tanks, but into cesspools sunk into gravelly substrata, and all of these are directly over the water-bearing strata from which the town derives its water supply. Even provided the present number of systems are not exceeded there is no great difficulty in telling what will occur sooner or later. Already this year there have been, I believe, more cases of Enteric Fever reported in this particular town than in any previous year since its incorporation.

It is not with any desire of knocking what in some cases may be a good thing that this short paper is penned, but to direct the attention of the local health authorities to the fact that their use is limited. For farm premises and suburban residences with considerable acreage they are safe to operate provided the soil is suitable and there will be no possibility of pollution of the domestic water supply.

In towns their adoption should be prohibited and all efforts made by the local councils to prevent this creating by the wholesale domestic sewerage systems where there should be installed a general sewerage system with suitable disposal works.

In villages the greatest consideration must be given to ascertaining if all the essentials are present for the successful and proper operating of each individual system before consent is given for its introduction.

CHEMICAL AND GENERAL REPORT ON THE HOWARD-BRIDGE OZONE SYSTEM OF WATER PURIFICATION AS INSTALLED AT LINDSAY, ONTARIO.

By G. G. Nasmith, M.A., Ph.D.,

Chemist of the Provincial Board of Health.

Dear Doctor,—In accordance with the instructions of your Board, we went to Lindsay on October 19th, 1909, equipped a small testing laboratory in a boat house (photograph D), loaned to us by the Water Commissioners, and began making regular chemical and bacterial tests early in November; these tests have been carried out continuously during the months of November, December and January. The bacteriological findings will be found in the accompanying report by Dr. Philp, who made these examinations, while the chemical and general report on the system is herewith submitted.

The original agreement between the town and Mr. J. H. Bridge calls for a water which shall have all taste, odour, colour and harmful bacteria removed (see memorandum), the tests to be made by an expert agreeable to both parties. As a result of this examination made during the summer of 1909, the plant was accepted by the town on the favourable (?) report then received. In the light of the present report this is of peculiar significance.

The water of Lindsay is obtained from the Scugog, a river which flows from Scugog Lake, seven miles above, to Sturgeon Lake, seven miles below. The Scugog is a shallow, mud-bottomed lake, with great weed beds, extensive marshes, and rice fields, well known to the duck hunter. The river banks are low and marshy (photograph A), the river bed itself is full of weeds and expands in places to include large areas of drowned lands with the usual accompaniment of fallen trees and partly submerged stumps.

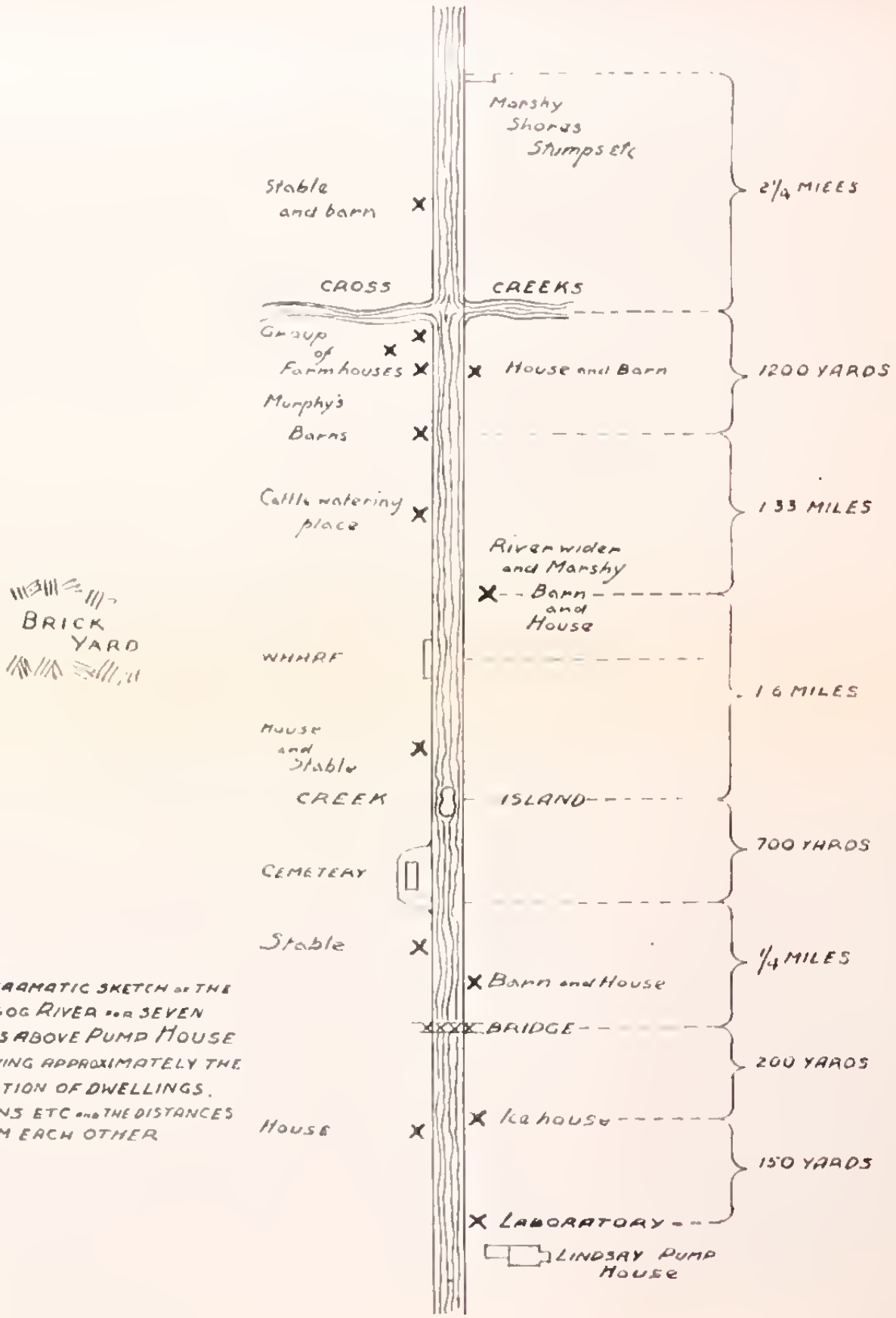
Scugog Lake, situated on the summit of the Oak ridges, is stated to be one of the highest lakes in Ontario and has a very small drainage area. A good deal of the water is said to be derived from springs, a theory which appears to be borne out by the fact that the water is quite hard—200 parts in a million, compared with 125 parts per million in Lake Ontario water.

The banks of the river are bordered by farms, and a considerable number of houses and barns may be seen from the river, none of which, however, are very close to the banks, with the exception of those in the immediate vicinity of the pump house (see sketch). The chances of infection from these should be borne in mind, especially in times of heavy rains and spring thaws; during our three months' test the river was not made turbid once by surface washing.

The proximity of the farms with their barnyards, manured fields and cattle, will readily account for the supply of colon bacilli constantly present in the water (see photograph A).

As one would expect, the water contains large amounts of dissolved organic matter, derived from decaying wood, weeds and other vegetable and animal life; it is highly coloured, contains much visible organic debris and usually tastes "weedy." As one would expect, the bacterial and protozoan flora is quite varied.

The Howard-Bridge plant which has been installed to purify the water consists of two parts: (1) the filters, two in number (photographs B and C), which remove the suspended matters and some of the bacteria from the water, and (2) the ozonizing section for generating and supplying ozone to the filtered water. The



DIAGRAMATIC SKETCH OF THE SCUGOG RIVER FOR SEVEN MILES ABOVE PUMP HOUSE SHOWING APPROXIMATELY THE LOCATION OF DWELLINGS. BARNS ETC AND THE DISTANCES FROM EACH OTHER

filters strain the suspended matter from the water; the ozone should literally burn up all the oxidizable matters, including the bacteria, still left in the water, and, when carried to the ultimate conclusion, leave a water free from colour, odour, taste and pathogenic organisms.

Diagram 3 will show at a glance the relationship of the various parts of the plant.

The filters are of the type called rough mechanical filters and are supposed to merely remove the greater part of the suspended matter and clarify the water before submitting it to the principal process of ozonization. No coagulants are used in connection with these filters and the filtered water is usually quite clear.

The round filter has been in use as a roughing filter before the present system was installed; the square filter was added in order to make the filtration more efficient than it had been. The round filter contains 16 inches of Sturgeon Lake sand over 9 inches of gravel; the square filter contains 30 inches of New Jersey sand upon 9 inches of gravel.

These two units filter about half a million gallons of water per day, according to the Water Commissioners' report of the last three years.

The water runs by gravity from the river, a few feet away, into the filters, upon which a head of from one and a half to three feet is maintained, the head depending upon the level of the river. The filtered water is received through Irwin patent sand valves (photograph E), which seemed to have worked very satisfactorily, into pipes which carry it into the filtered water chamber. Here the water flows through the aspirators and is supposed to entangle a sufficient amount of ozone to purify itself.

The apparatus for generating and delivering the ozone (photograph G) is situated in the pump house, and its connections may be gathered from diagrams 1 and 3. In the transformer room there is a blower which is supposed to draw the air from outside and blow it through the ozonizers, two in number, placed in an adjoining air-tight compartment. The current is received at 110 volts and is transformed to 8,000 and 10,000 volts. This current passing through the ozonizer in the form of the "Silent Discharge" transforms the oxygen in the air into the active form of ozone. From this room the ozonized air is led by a six-inch pipe to the aspirators, eight in number, through which the filtered water is flowing (diagrams 2 and 3).

The falling water entangling the ozone carries it down to the bottom of a well, 22 feet deep, and then flows backwards and forwards through a box containing baffles of perforated plates, to the surface of the well. In this travelling together for about 85 feet the ozone is supposed to part with its active atom and destroy the organic matter, including the bacteria, in the water. The water is then pumped from this receiving well into the town mains and standpipe.

The gas generated is without doubt ozone and answers to all the ordinary tests. The smell and physiological effects are quite unlike those of nitrous acid; it is comparatively insoluble in distilled water and samples of the latter saturated with ozone reached the laboratory in Toronto 24 hours afterwards with the strength of the gas apparently undiminished.

I have demonstrated the presence of nitric oxide gases in the ozonized air by aspirating large quantities of the air through ammonia-free distilled water rendered alkaline with potassium hydrate. The amount of nitrogen oxides formed is very small. When we pumped large quantities of ozone through the town water the nitrites and nitrates increased, but largely at the expense of the free and albuminoid ammonia present.

The action of the ozone and filters on the water should be clearly shown by the physical and chemical changes produced in it. Samples were taken from the raw river water as it came into the filters, from the filtered water well, from the ozonized water well and from the town supply, usually from the hotel tap, and analyzed. The following tables speak for themselves.

AVERAGE COMPOSITION OF 7 SERIES OF LINDSAY WATERS. PARTS PER MILLION.

Specimen.	Free NH3.	Albuminoid NH3.	Nitrites and Nitrates.	Total solids.	Total hardness.	Temporary hardness.	Permanent hardness.	Oxygen consumed.	Colour (true).	Chlorine.
Raw.	.022	.238	.129	.0212	195	140	55	5.6	25	1.5
Filtered.	.023	.227	.194	.0212	200	142	58	5.7	25	1.5
Ozonized.	.023	.228	.163	.021	206	140	66	5.6	25	1.5
Tap	.018	.224	.190	.024	202	140	62	5.0	25	1.5

ANALYSIS LINDSAY WATERS IN PARTS PER MILLION.

Raw.

Series.	Free Ammonia.	Albuminoid Ammonia.	Nitrites and Nitrates.	Total solids.	Total hardness.	Temporary hardness.	Permanent hardness.	Oxygen consumed.	Colour.	Chlorine.	Volatile matter.
1	.026	.330	.044	.0175	178.5	130	48.5	.....	22	1.00	.0089
2	.045	.325	.020	.0159	168.5	116	52.5	.....	12	1.50	.0035
3	.010	.255	.080	.0215	196.5	131	65.5	5.8	18	2.00	.....
4	.020	.135	.020	.0197	163.5	126	37.5	.....	25	1.75	.....
5	.026	.235	.099	.0189	220.5	149	71.5	.....	28	1.75	.....
6	.010	.230	.230	.0278	224.5	168	56.5	6.2	35	1.50	.....
7	.020	.160	.410	.0275	213.5	163	50.5	5.0	40	1.50	.....

Filtered.

1	.021	.255	.039	.0173	187.5	127	60.5	.....	22	1.00	.0077
2	.010	.265	.040	.0162	189.5	117	72.5	.....	12	1.50	.0026
3	.027	.270	.250	.0188	186.5	142	44.5	5.6	18	2.00	.....
4	.025	.185	.050	.0176	162.5	128	34.5	.....	25	1.75	.....
5	.020	.230	.190	.....	219.5	153	56.5	.....	28	1.75	.....
6	.025	.200	.235	.0308	237.5	167	70.5	6.5	35	1.50	.....
7	.035	.185	.555	.0268	215.5	161	54.5	5.0	38	1.50	.....

DIAGRAM 2

WATER PURIFICATION PLANT

LINDSAY ONT

GENERAL PLAN

SCALE 1/8 INCH = 1 FOOT

TORONTO JAN. 18 1910

Fred Gibson

ENGINEER IN CHARGE
ONTARIO BOARD OF HEALTH
EXPERIMENTAL PLANT.

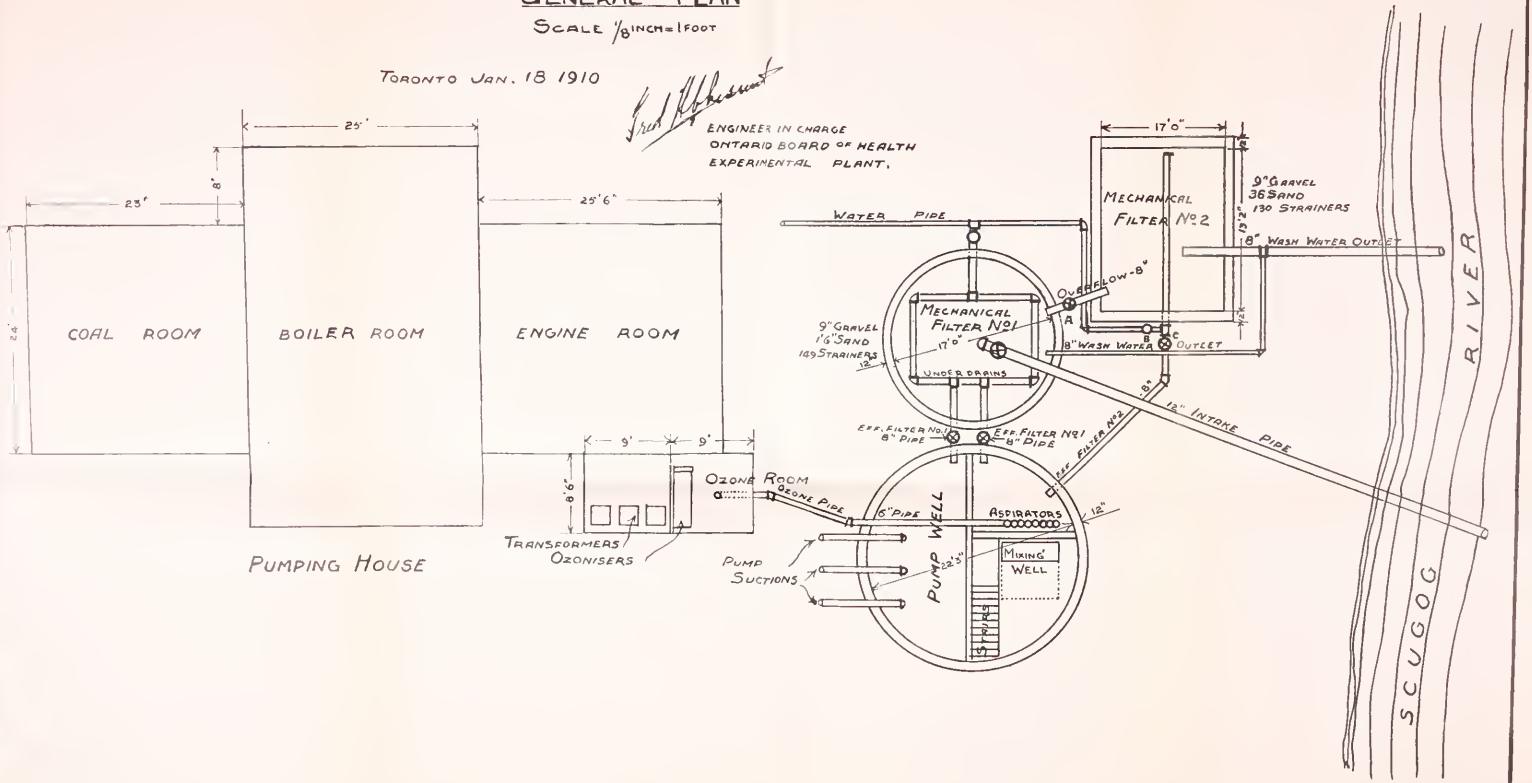
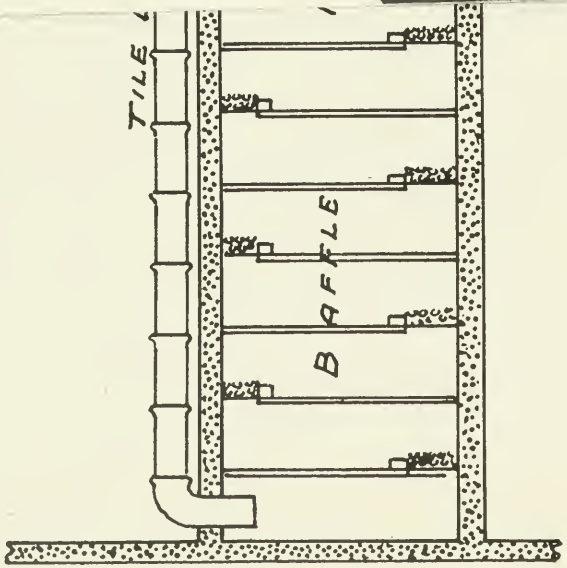


DIAGRAM 1

WATER PURIFICATION PLANT

LINDSAY ONT.



DETAIL OF ASPIRATOR
VERTICAL SECTION

DIAGRAM 2

WATER PURIFICATION PLANT

LINDSAY ONT.

ASPIRATORS AND MIXING WELL

SCALE 1/4 INCH = 1 FOOT

TORONTO JAN 19 1910

Fred A. Thomson

ENGINEER IN CHARGE
ONTARIO BOARD OF HEALTH
EXPERIMENTAL PLANT

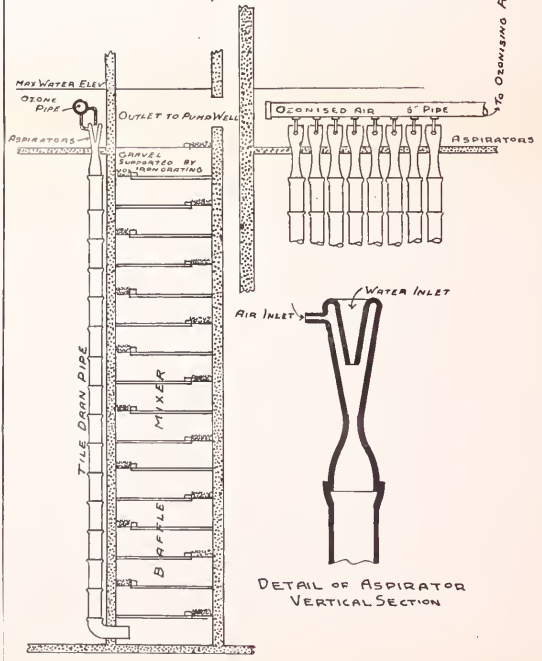
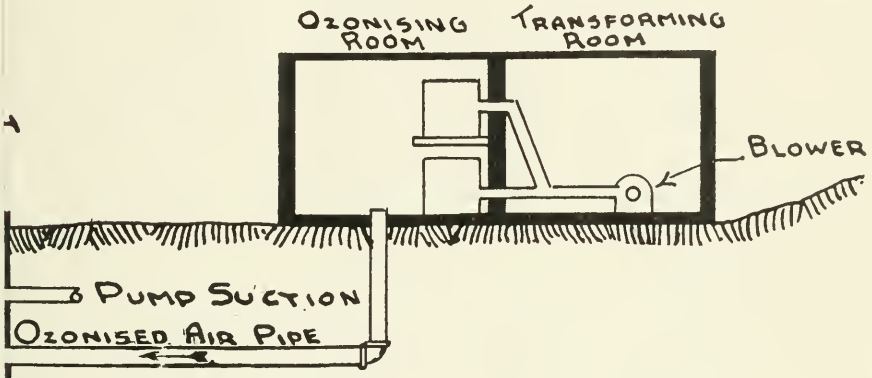


DIAGRAM 2


Ozonising Room
Transforming Room
Blower
Pump Suction
Ozonised Air Pipe

WATER PURIFICATION PLANT
LINDSAY ONT.
DIAGRAM SHOWING RELATION OF UNITS

TORONTO JAN 24 1910

Fred A. Lesage
ENGINEER IN CHARGE
ONTARIO BOARD OF HEALTH
EXPERIMENTAL PLANT.

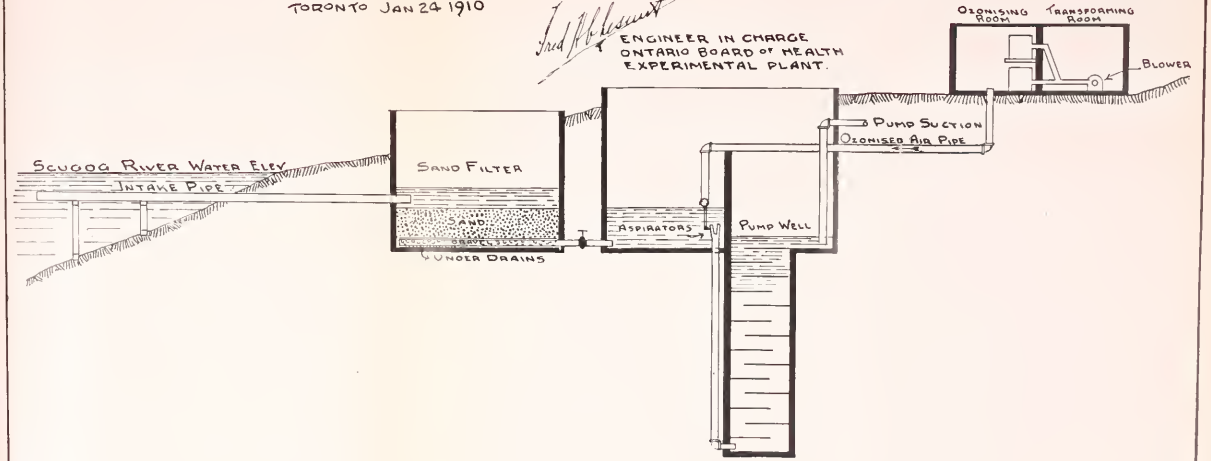


DIAGRAM 3.

ANALYSIS LINDSAY WATERS IN PARTS PER MILLION.—*Continued.*

Ozonized.

1	.036	.280	.029	.0168	181.5	126	55.5	.....	22	1.00	.0085
2	.010	.255	.040	.0155	191.5	115	76.5	.. ..	12	1.50	.0043
3	.010	.285	.070	.0196	201.5	132	69.5	6.4	18	2.00	.. ..
4	.060	.120	.030	.0181	170.5	129	41.5	.....	25	1.75	.....
5	.014	.215	.191	.0188	227.5	154	73.5	.....	28	1.75	.....
6	.010	.285	.250	.0306	238.5	166	72.5	4.7	35	1.50	.....
7	.020	.200	.530	.0281	232.5	161	71.5	5.9	40	1.50	.....

Tap.

1	.020	.235	.040	.0165	183.5	135	48.5	.....	22	1.00	.0040
2	.012	.255	.053	.0178	186.5	117	69.5	.....	12	1.50	.0078
3	.026	.275	.070	.0358	188.5	133	56.5	5.9	18	2.00	.. ..
4	.013	.280	.250	.0196	166.5	123	43.5	.....	25	1.75	.....
5	.020	.235	.190	.....	217.5	148	69.5	.....	28	1.75	.....
6	.020	.140	220	.0281	236.5	165	71.5	5.0	35	1.50	.....
7	.020	.150	.510	.0289	236 5	160	76.5	4.1	40	1.50	.. ..

If the water were being ozonized properly one would expect a decrease in the free ammonia, albuminoid ammonia and oxygen consumed, with a disappearance of the colour and an increase of the nitrites and nitrates from oxidation of the free and albuminoid ammonia. These changes we proved by analysis did take place when we pumped ozone through the town water by means of a force pump.

A glance at the above table will show that the raw, filtered and ozonized water contain the same quantities of free ammonia, and that there are equal amounts of albuminoid ammonia in the filtered and ozonized waters, a small amount having been removed from the raw water by filtration. The nitrites and nitrates ran parallel for the most of the series, but extraordinary variations in two series spoiled the final averages. There is little change in the total solids, hardness or oxygen consumed and the colour and chlorines are unaltered.

From these analyses it will be seen that ozone has done absolutely nothing, not even removing the colour in the slightest degree. The generally accepted idea of the townspeople is that the water has been rendered colourless by their new system. Several laboratory men have been enlisted to compare these waters with the standard water colours and all made readings in harmony with our own. When one looks at the brown water in the river and then at a glass of water from the tap, the latter appears colourless. Two long, colourless glass tubes containing the filtered water before and after it had been ozonized could not be distinguished apart. The first thing that ozone does to a coloured water is to render it colourless; this the Howard-Bridge system has absolutely failed to accomplish, a simple observation which may be made by anybody.

The strength of the ozone was estimated by aspirating twelve litres of the air through an acidified potassium iodide solution and titrating the iodine freed by the standard sodium thiosulphate. The results agreed very well in duplicate but varied in different days and under different conditions. The apparatus for drawing off and estimating the ozone is shown in diagram 3.

Specimens taken from the T pipe just above the aspirators during four different weeks gave an average of .275 grams of ozone per cubic metre of air with the aspirators and blowers working. When the plug was removed from the T pipe,

so that the blower could readily drive the air out of the pipe, the air then gave .66 grams of ozone per cubic metre in the single estimation made. Specimens taken directly from the ozone room gave an average of 2.30 grams of ozone per cubic metre. These figures indicate that under ordinary conditions only a part of the ozone is going down the pipe, while it tends to accumulate in the ozone room. On one occasion only the ozone at the T pipe was of about the same strength as that in the ozone room, and then the blower was not in operation.

As it seems to be generally conceded that one cubic metre of water with a low content of organic matter will need at least half a cubic metre of ozone, with a concentration of one-half to one gram of ozone per cubic metre, to purify it, and as it did not seem to me that this quantity could be going into the water, judging from the ebullition on the surface of the ozonizing well, I had a T pipe put in the ozone four feet above the aspirators and tried to measure the flow by a standardized anemometer, at the same time aspirating off samples in order to estimate the strength of ozone. (Photograph F and diagram 4.)

If 500,000 gallons of water per day are flowing through the aspirators with ten hours of pumping then 250,000 gallons of ozonized air per day, or 25,000 gallons per hour, should be drawn through them. This would mean a flow of air at the rate of 340 feet per minute through the six-inch pipe.

As a matter of fact, the movement of air in the pipe was so slight that the anemometer would not turn at all, though the draught passing through the anemometer into an ordinary stove would cause it to revolve rapidly. In other words, the ozone which was being generated was not being drawn into the water. The greater the head of water, of course, the greater the efficiency of any aspirator. The greatest possible head in the well at Lindsay is three feet, which is the difference between the surface of the water over the aspirators and the surface of the water in the sterilizing water well (diagram 3). If this head is maintained, more air is drawn into the aspirators than if the second well is allowed to fill up. As the head becomes less and less, which occurs in practice, because there is no automatic method of regulating the flow, the bubbles coming to the surface may, toward the end, be actually counted.

I endeavoured to obtain the whole quantity of ozone produced in a unit of time by removing the plug in the sterilizing well and allowing the blower to blow away all the ozone into the well as fast as it would be formed.

The anemometer placed in the opening gave the rate of flow, while the strength of the ozone was estimated from the air before it passed through the anemometer. The rate of flow was found in this case to be 1,117 feet per minute with a concentration of .66 grams per cubic metre of air. This gave 4.10 grams of ozone per minute, or 246 grams per hour, flowing through the pipe. In ten hours this would mean a total production of 2,460 grams of ozone.

In 1908, Lindsay used 435,000 gallons of water a day; with the installation of the new system the consumers using the town supply increased, but the recent introduction of meters has again lessened the amount used: the quantity now pumped is probably not far from half a million gallons per diem. According to the pressure gauge on the electric water pump the town is using 600,000 gallons per day, but this seems to be too high. There was sufficient ozone produced, therefore, assuming that 500,000 gallons (equivalent to 2,272 cubic metres) as the maximum capacity of the Lindsay plant, to yield 1.08 grams of ozone for every cubic metre of water to be pumped. At Paderborn, where the water is pure chemically, 1.3 grams of ozone per cubic metre of water are used, while at St. Maur, Paris,

WATER PURIFICATION PLANT

LINDSAY ONT.

APPARATUS FOR ESTIMATING OZONE

TORONTO JAN 18 1910

Fred H. Thesmant

ENGINEER IN CHARGE
ONTARIO BOARD OF HEALTH
EXPERIMENTAL PLANT

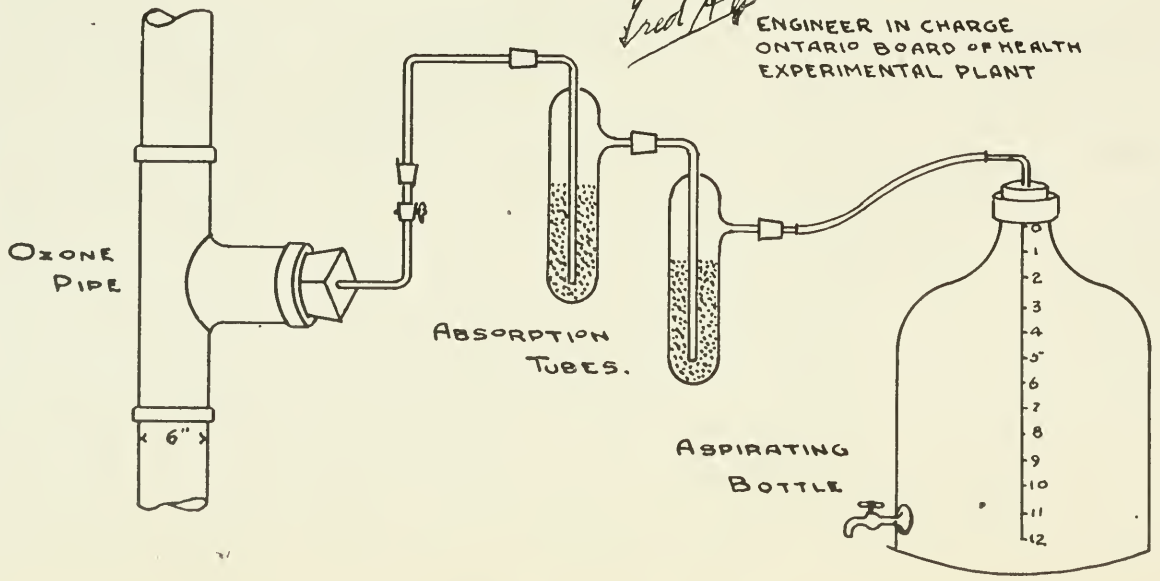


DIAGRAM 4

the amount is only .658 grams of ozone per cubic metre. Since my assistant, as a result of this experiment, was nearly ozonized into another sphere, I did not make any further tests of this nature.

Because the ozone produced was not being removed as rapidly as it was formed, and there was, therefore, no accurate method of estimating the total quantity of ozone produced, it did not seem worth while incurring the expense of a Watt meter for measuring the current used in the ozonizers to obtain the grams of ozone produced per kilowatt hour. The town pays $20 a month for a current sufficient to run the two ozonizers or an eight horse-power motor for the necessary number of hours per day, which would under ordinary circumstances mean the number of pumping hours.

An attempt to determine whether the air would be evenly distributed between the plates of the ozonizers or would merely pass through the central plates in front of the inlet pipes was made by watching the smoke which was blown through them by the blower when the plug was off in the well. The experiment failed because in this case the draught passed back from the well and overcame that from the blower.

This back draught gave us the clue to another feature of this system, namely, the continuous presence of water in the ozonizing room. At first we thought this was due to moisture condensed from the outside air, as a drying system is not part of the plant. With dried air the yield of ozone is greater, the yield of nitric oxides is lessened, and the sparking between the plates is done away with. In the Lindsay plant the moisture condenses on the aluminum plates of the ozonizers as soon as they become cool, and when the current is turned on sparking begins, with the usual accompaniment of short circuiting and burned fuses.

Sometimes when the ozonizers had been off for a couple of hours it would take the engineer in charge half an hour's careful manipulation to get the ozonizers warmed up sufficiently to dissipate the moisture from the plates. During this process as many as five fuses have been burned out.

This water probably comes largely from back draughts of moisture-laden air through the aspirators in the ozonizing well, for as soon as all of the water over the aspirators flows into the next well these are uncovered and a direct connection is established between the air in this well and that in the ozone room.

The evidence all shows that the work of the system at Lindsay falls solely on the filters, which clarify the water and remove 30 per cent. of the bacteria present. A fairly good roughing filter ought to remove 40-50 per cent. of the bacteria present.

One of these filters, the square one, is not watertight. The filters are washed once a week by reversing the current and allowing it to flow from the town pipes back through the valves in the bottom of the filters (photograph E). This stirs up the sand and washes the dirt out of it; the wash water and dirt are carried off by special pipes into the river. When watching this process one day we noticed as the water rose in the square filter that the three small wells (marked a, b and c on diagram 1) which contain the valves for controlling the inflow and outflow from the square filter rapidly filled with water, which poured down the sides of the wells. This water could only have come through the concrete walls of the filter, since it fell again when the water in the filter fell. During the heavy rains water doubtless flows into this filter from the surrounding earth and may carry in bacteria. These leaks would account for the appearance of oil on the surface of the water in the filters when the ground thawed last spring. Several gallons of the oil had been spilled near the pump house door several months previously.

The covers of the filters and ozonizing wells are not watertight; during every thaw or rain there is a steady drip into these wells capable of contaminating the water even if it had been purified.

The principle underlying any successful sterilization of water by ozone is getting the ozone after it is produced into intimate contact with every drop of water, because of the fact that ozone is comparatively insoluble. This must, therefore, be done by mechanical means, and the apparatus for bringing the ozone and water into intimate contact must be complete in all its details. After ozonization it must be either forced into the water contained in towers, as in the De Fries system, or into towers filled with gravel over which the water is slowly trickling in thin streams, as in the Siemens Halske system. This feature of mechanically forcing the ozone into contact with the water is a heavy item of expense. At St. Maur, Paris, for instance, it costs more than to make the ozone.

There seems to be little doubt, judging by the experiences of Paderborn, Wiesbaden and St. Maur, but that ozone will sterilize water. It simply means perfection of mechanical detail, which in other words is one of cost. For instance, at both Paderborn and Wiesbaden, in Germany, the systems are in duplicate, so that one unit may be operated at a moment's notice when the other fails. Elaborate precautions have been taken to guard against any interruption of the process of purification. Should the electric current fail, or be interrupted in any one of the ozonizers or blower, the supply of water is automatically shut off, an alarum bell begins to ring and an indicator shows exactly where the trouble is located.

To bring the points of failure of the Lindsay system more vividly to mind I will enumerate them in detail.

1. Leaking of the covers on the filters and pure water reservoir.
2. Leaking of the walls of the square filter.
3. Insufficient sand on the round filter.
4. No means for drying the air to be ozonized
5. Lack of power in the blower.
6. No means for distributing the air evenly through the plates of the ozonizers.
7. Failure of the aspirators to draw into the water any but traces of the ozone produced, as shown by

(*a*) No physical changes in the ozonized water.
(*b*) No chemical changes in the ozonized water.
(*c*) Very slight bacterial reduction in the ozonized water.

From the evidence obtained by us I do not hesitate to say that the Howard-Bridge system, as installed at Lindsay, is an absolute failure as far as purifying the water is concerned. From the mechanical standpoint of the means for carrying to and mixing the ozone with the water it is defective in every particular.

With the knowledge that the ozone does not get into the water the bacterial and chemical results are self-evident, or from the reverse standpoint the bacterial and chemical results are an absolute indication that the ozone is not getting into the water.

The system would achieve practically the same results with the ozonizers shut off or removed. The filters remove 30 per cent. of the bacteria and the ozonizers 8 per cent. more; a fairly good roughing filter should itself remove 40-50 per cent of the bacteria.

I deem it necessary to draw attention to the absolute diversity of these results and those of the report on which the system was accepted by the town. Six months ago colon bacilli were destroyed by the ozone every time; during our test not at all.

At that time the filters removed 75.9 per cent. of the bacteria present in the raw water, while the ozone removed 84.4 per cent., giving a total reduction of 96.2 per cent.* We obtained only 30 per cent. bacterial removal by the filters and 8 per cent. by the ozone, which gave a total reduction of only 35.78 per cent. The mechanism for mixing the ozone and water and the said filters were exactly the same then as now, but the ozonizers are of double the capacity that they were last summer. One would expect the filters to still remove about the same number of bacteria, while the bacteria mortality due to ozone should be much higher.

Under the circumstances it seems reasonable and justifiable to conclude that there must have been some other reason for the differences in the results.

The problem might well be worth investigating by the Water Commissioners of Lindsay.

I am, Sir.

Yours very sincerely,

GEO. G. NASMITH.

*These are the average reductions of bacteria, calculated from the counts given in the July report, excluding numbers 5 and 9.

BACTERIOLOGICAL REPORT OF THE HOWARD-BRIDGE OZONE SYSTEM OF WATER PURIFICATION, AS INSTALLED AT LINDSAY, ONTARIO.

By Geo. R. Philp, M.B.,

Assistant Bacteriologist of the Provincial Board of Health.

Sir,—I beg to submit the following bacteriological report on the work done in the investigation of the ozone water purification system installed in the town of Lindsay.

The laboratory was fitted up in a boat house near the Pumping Station. The first samples were taken on November 3rd; others were taken thereafter at regular intervals until the end of January. Two or three series were taken daily, each series consisting of water samples from four sources.

(1) The raw river water from the square filter.

(2) The filtered water from the cistern into which the round and square filters drain.

(3) The ozonized sample from the sterilizing well.

(4) The tap water from the faucet in the wash room of the Benson Hotel, and for one week from a similar tap in the Simpson Hotel.

Bacterial counts and fermentation tests were made from each of these samples.

The bacterial counts are expressed in the tables as the number found in each cubic centimetre.

The fermentation results are expressed as positive (+) or negative (—).

The counts were made on standard nutrient agar +10 acid to phenolphthalein after being grown for forty-eight hours at 18°-22°C., .1 c.c. and 1.0 c.c. of water being used.

The fermentation tests were made in saffranin lactose (2 per cent.) nutrient broth + 5 acid to phenolphthalein (neutral to litmus).

These tests were made from quantities of water ranging from 1 c.c.-50 c.c. in the following proportions, viz., 1 c.c., 5 c.c., 10 c.c., 15 c.c., 20 c.c., 30 c.c., 40 c.c., and 50 c.c. They were incubated for forty-eight hours at a temperature of from 37°C. to 40°C.

In tabulating the results of the colon tests, it was noted:

(1) Whether fermentation (F.) had taken place or not, without differentiation of organisms.

(2) Whether there were characteristic colon reactions (C. R.) in addition to the fermentation, such as:

(*a*) Gas fermentation from 5 per cent. to 75 per cent.

(*b*) Reduction of the saffranin from red to a fluorescent canary yellow.

(*c*) Presence of fæcal odour.

(*d*) Acid reaction.

These were tabulated positive (+) or negative (—), according as they fulfilled these four conditions.

For two weeks during January I regularly tested tubes giving the colon reaction (C. R.), selecting them from either the ozonized or tap water, in order to definitely prove the presence or absence of the colon bacillus.

These confirmation tests were carried out in accordance with the standard

Date.	Hour.	Serial No.	1 c.c. F.	1 c.c. R.	5 c.c. F.	5 c.c. R.	10 c.c. F.	10 c.c. R.	15 c.c. F.	15 c.c. R.	20 c.c. F.	20 c.c. R.	30 c.c. F.	30 c.c. R.	40 c.c. F.	40 c.c. R.	50 c.c. F.	50 c.c. R.	Bacteria per c.c. 18°-22° C. Agar + 10.	Temperature and Weather Conditions.	Remarks.
" 31	10.00	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	230	20° F. Clear	
	3.00	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	153	23° F. Clear	
1910																					
Jan. 4	10.00	83	−	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	−13° F. Clear, no wind	Count not made.
	3.00	84	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	−3° F. Clear	do
" 5	10.30	85	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	16° F. Windy, snowing	do
	4.00	86	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	.....	32° F. Fine sleet	do
" 6	10.00	87	−	−	−	−	−	−	+	+	+	−	+	+	+	+	+	+	.....	21° F. Dull	do
	3.00	88	−	−	−	−	−	−	−	−	+	+	+	+	+	+	+	+	.....	22° F. Clear	do
" 7	10.00	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	27° F. Clear	do
	3.00	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	112	25° F. Clear	
" 8	10.00	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	143	18° F. Clear	
" 11	10.00	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	27° F. Somewhat dull	Count not made.
	4.30	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	133	30° F. Quiet and dull	
" 12	10.00	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	103	31° F. Clear and no wind	
	3.00	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	78	29° F. Clear	
" 13	10.00	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	23° F. Clear	Count not made.
	5.00	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	114	20° F. Clear	
" 14	10.00	98	+	+	+	+	−	−	+	+	+	+	+	+	+	+	+	+	.....	10° F. Strong east wind	Count not made.
" 18	10.00	99	+	+	+	+	+	+	−	−	+	+	+	+	+	+	+	+	110	39° F. Raining, thawing	
	5.00	100	−	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	120	34° F. West wind	
" 19	11.00	101	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	29° F. Bright and clear	Count not made.
	5.00	102	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	24° F. Bright, clear	do
" 20	11.00	103	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	37° F. Clear	do
	5.00	104	−	−	+	−	+	+	+	−	+	+	+	+	+	+	+	+	.....	35° F. Clear	do
" 21	10.00	105	−	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	34° F. Raining and snowing	do
" 23	11.00	106	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3,350	29° F. Blowing, but clear	
" 24	11.00	107	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	750	32° F. Clear and bright	
	4 00	108	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,170	30° F. Snowing	
" 25	11.00	109	−	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	590	30° F. Bright	
	3.00	110	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	740	24° F. Bright	
" 26	10.00	111	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	540	26° F. Clear	
" 27	10.00	112	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	240	35° F. Snowing	

F. = Fermentation. C. R. = Colon Reaction.

Date.	Hour.	Serial No.	1 c.c. F.	1 c.c. C. R.	5 c.c. F.	5 c.c. C. R.	10 c.c. F.	10 c.c. C. R.	15 c.c. F.	15 c.c. C. R.	20 c.c. F.	20 c.c. C. R.	30 c.c. F.	30 c.c. C. R.	40 c.c. F.	40 c.c. C. R.	50 c.c. F.	50 c.c. C. R.	Bacteria per c.c. at 18–22° C. After 48 hours.	Temperature and Weather Conditions.	Remarks.
1909																					
Nov. 3	1.00	1	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	200	54° F. Dull with showers..	River open.
" 4	9.30	2	+	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	210	50° F. Dull	Samples taken from top of square filter.
	1.00	3	+	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	160	44° F. Raining	
	4.45	4	+	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	280	39° F. Dull	
" 5	10.00	5	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	260	38° F. Fair	
	12.00	6	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	260	38° F. Fine and clear.	
	5.30	7	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	42° F. Clear	
" 6	10.00	8	+	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	60	40° F. Clear	
	12.00	9	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	350	48° F. Clear	
	4.00	10	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	360	58° F. Clear	
" 8	9.00	11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	340	51° F. Misty	
	12.00	12	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,270	49° F. Dull	
	4.00	13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	960	45° F. Dull	
" 10	10.00	14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4,150	48° F. Dull	
	12.00	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,500	47° F. Dull	
	5.00	16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4,000	56° F. Clear	
" 11	9.00	17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3,680	65° F. Clear	
	12.00	18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,100	57° F. Dull	
" 12	10.00	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	980	57° F. Dull	
	12.00	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	900	55° F. Clear	
	4.30	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,900	48° F. Clear	
" 13	10.00	22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	620	46° F. Clear	
	12.00	23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,570	49.5° F. Clear	
	2.30	24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,070	61° F. Bright	
" 15	10.00	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,070	52° F. Clear	
	12.00	26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,020	44° F. Clear	
	2.30	27	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	750	41° F. Dull	
" 17	12.00	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,440	36° F. Blustery	
" 18	10.00	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	940	29° F. Clear	No. 29, Raw," omitted in testing.
	3.00	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	140	31° F. Clear	
	5.00	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	28° F. Clear	
" 19	10.00	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3,280	34° F. Clear	
	3.00	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,540	35° F. Dull	
" 20	8.00	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,980	42.5° F. Dull	
	11.30	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,790	47.5° F. Clear	
" 24	11.00	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3,390	50.5° F. Clear	
	5.00	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,530	26° F. Clear	
" 25	10.00	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3,770	20° F. Clear	
	4.00	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,750	25° F. Clear	
" 26	12.00	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,710	35° F. Quite damp.	
	3.00	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,530	49° F. Bright	
" 29	1.00	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,500	45.5° F. Clear	
" 30	10.00	44	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	1,520	39° F. Quite clear	
	12.00	45	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	1,220	38° F. Quiet and clear	
	5.00	46	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	1,160	34° F. Clear	
Dec. 1	10.00	47	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,570	37° F. Bright	
	12.00	48	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,410	40° F. Bright	
" 2	1.00	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,070	41° F. Clear	
" 3	10.00	50	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,170	33° F. Clear and calm	
	3.30	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,060	34° F. Clear	
" 6	3.00	52	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	584	28° F. Dull and s.-w. wind	
" 7	10.30	53	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	585	32° F. Dull	
	12.30	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	570	32° F. Flurry of snow	
	4.30	55	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	671	33° F. Windy and sleet	
" 8	10.00	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,080	26° F. Windy	River nearly covered with ice. Trouble with anchor at intake.
	5.00	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	890	1° Windy, s.-w.	
" 9	11.00	58	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,620	28° F. Windy	River frozen over.
" 10	10.00	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	640	19° F. Snowing	
	5.00	60	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	780	21° F. So wind	
" 11	10.00	61	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	620	16° F. Clear	
	4.00	62	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,130	14° F. Clear, no wind	
" 13	11.00	63	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,020	33° F. Sleet	
" 14	9.30	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	550	32° F. Dull	
" 16	4.30	65	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	340	33° F. Clear, snow	
" 17	10.00	66	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	440	29° F. Snow	
	4.30	67	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	640	30° F. Snowing hard	
" 18	11.30	68	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	660	30° F. Snowing	
	4.30	69	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	295	26° F. Snowing	
" 20	12.00	70	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	190	26° F. Fair, s.-w. wind	
	4.30	71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	265	21° F. Clear	
" 21	12.00	72	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	210	20° F. Clear	
	4.00	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	210	15° F. Clear	
" 22	12.00	74	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	190	26° F. Clear	Plates only.
	4.00	75	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	220	25° F. Clear	do
" 23	10.00	76	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	24° F. Clear	do
" 29	11.00	77	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	202	0° Fine	Plates only, but agar inforced, so valueless.
	5.00	78	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	187	2° F. Fine	
" 30	11.00	79	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	330	8° F. Fine	
	4.00	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	400	–2° F. Clear	
" 31	10.00	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	230	20° F. Clear	
	4.00	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	153	28° F. Clear	
1910																					
Jan. 4	10.00	83	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	–13° F. Clear, no wind	Count not made.
	5.00	84	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	3° F. Clear	do
" 5	10.30	85	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	16° F. Windy, snowing	do
	4.00	86	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	32° F. Fine sleet	do
" 6	10.00	87	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	21° F. Dull	do
	5.00	88	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	22° F. Clear	do
" 7	10.00	89	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	27° F. Clear	do
	5.00	90	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	29° F. Clear	do
" 8	10.00	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	112	25° F. Clear	
" 11	10.00	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	143	18° F. Clear	
	4.30	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	27° F. Somewhat dull	Count not made.
" 12	10.00	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	135	30° F. Quiet and dull	
	5.00	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	103	31° F. Clear and no wind	
" 13	10.00	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	78	29° F. Clear	
	5.00	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	23° F. Clear	Count not made.
" 14	10.00	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	114	20° F. Clear	
" 18	10.00	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	10° F. Strong east wind	Count not made.
	5.00	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	110	39° F. Raining, thawing	
" 19	11.00	101	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	120	34° F. West wind	
	5.00	102	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	29° F. Bright and clear	Count not made.
" 20	11.00	103	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	24° F. Bright, clear	do
	5.00	104	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	5° F. Clear	do
" 21	10.00	105	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	34° F. Clear	do
" 23	11.00	106	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	34° F. Raining and snowing	do
" 24	11.00	107	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	3,350	29° F. Blowing, but clear	
	4.00	108	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	750	32° F. Clear and bright	
" 25	11.00	109	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	1,170	30° F. Snowing	
	3.00	110	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	890	30° F. Bright	
" 26	10.00	111	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	740	24° F. Bright	
" 27	10.00	112	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	540	26° F. Clear	
																			240	35° F. Snowing	

F.—Fermentation. C. R.—Colon Reaction.

Date.	Hour.	Serial No.	1 c.c. F.	1 c.c. C. R.	5 c.c. F.	5 c.c. C. R.	10 c.c. F.	10 c.c. C. R.	15 c.c. F.	15 c.c. C. R.	20 c.c. F.	20 c.c. C. R.	30 c.c. F.	30 c.c. C. R.	40 c.c. F.	40 c.c. C. R.	50 c.c. F.	50 c.c. C. R.	Bacteria per c.c. 20°-22° C. Near + 10.	Temperature and	Remarks.
" 23	10.00	76	..	..	..	..	..	..	..	..	..	..	..	..	+	+	+	+	145	2° F. Fine	
			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	220	8° F. Fine	
	11.00	77																	330	−5° F. Clear	
" 29	10.00	83	−	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	202	20° F. Clear	
Jan. 4	3.00	84	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	115	23° F. Clear	
" 5	10.30	85	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	−13° F. Clear, no wind	Filters cleaned Jan. 1st.
	4.00	86	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	210	−3° F. Clear	
" 6	10.00	87	−	−	−	−	−	−	+	+	+	+	+	+	+	+	+	+	180	16° F. Windy, snowing	
	3.00	88	−	−	−	−	−	−	+	+	+	+	+	+	+	+	+	+	.....	32° F. Fine, sleet	Count not made.
" 7	10.00	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	21° F. Dull	do
	3.00	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	22° F. Clear	do
" 8	10.00	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	109	27° F. Clear	
" 11	10.00	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	65	25° F. Clear	
	4.30	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	18° F. Clear	Filters cleaned Jan. 8th.
" 12	10.11	94	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	27° F. Somewhat dull	Count not made.
	3.00	95	+	−	+	−	+	−	+	+	+	+	+	+	+	+	+	+	106	30° F. Quiet and dull	
" 13	10.00	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	76	31° F. Clear and no wind	
	5.00	97	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	56	29° F. Clear	
" 14	10.00	98	−	−	+	−	−	−	+	+	+	+	+	+	+	+	+	+	.....	23° F. Clear	Count not made.
" 18	10.00	99	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	76	20° F. Clear	
	5 00	100	−	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	10° F. Strong east wind	Count not made.
" 19	11.00	101	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	65	39° F. Raining, thawing	Filters cleaned Jan. 15th.
	5.00	102	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	75	34° F. West wind	
" 20	11.00	103	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	29° F. Bright and clear	Count not made.
	5.00	104	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	24° F. Bright, clear	do
" 21	10.00	105	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	37° F. Clear	do
" 23	11.00	106	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	35° F. Clear	do
" 24	11.00	107	−	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	.....	34° F. Raining and snowing	do
	4.00	108	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,250	29° F. Blowing, but clear	Filters cleaned Jan. 22nd.
" 25	11.00	109	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	600	32° F. Clear and bright	
	3.00	110	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	890	30° F. Snowing	
" 26	10.00	111	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	460	30° F. Bright	
" 27	10.00	112	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	340	24° F. Bright	
																			363	26° F. Clear	
																			185	35° F. Snowing	

F. = Fermentation. C. R. = Colon Reaction.

Date		Hour	Serial No.	1 c.c. F.	1 c.c. C. R.	5 c.c. F.	5 c.c. C. R.	10 c.c. F.	10 c.c. C. R.	15 c.c. F.	15 c.c. C. R.	20 c.c. F.	20 c.c. C. R.	30 c.c. F.	30 c.c. C. R.	40 c.c. F.	40 c.c. C. R.	50 c.c. F.	50 c.c. C. R.	Bacteria per c.c. at 18–22° C. After 48 hours.	Temperature and Weather Conditions.	Remarks.
1909																						
Nov.	3	1.00	1	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	180	51° F. Dull with showers.	
"	4	9.30	2	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	140	50° F. Dull	
		1.00	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	100	44 F. Raining	
		4.30	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	160	39° F. Dull	
"	5	10.00	5	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	140	38° F. Fair	
		12.00	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	+	210	38. F. Fine and clear.	
		5.30	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	+	90	43 F. Clear	
"	6	10.00	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	+	60	49° F. Clear	
		12.00	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+	+	230	48° F. Clear	
		4.00	10	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	130	58° F. Clear	Filters cleaned late this afternoon.
"	8	9.00	11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	130	51 F. Misty	
		12.00	12	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	360	49 F. Dull	
		4.00	13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,070	45° F. Dull	
"	10	10.00	14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,400	48° F. Dull	
		12.00	15	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	2,410	47 F. Dull	
		5.00	16	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,880	50° F. Clear	
"	11	9.00	17	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	960	62° F. Clear	
		12.00	18	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	880	57° F. Dull	
"	12	10.00	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	620	57° F. Dull	
		12.00	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	480	55° F. Clear	
		4.30	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	890	48° F. Clear	
"	13	10.00	22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	462	48 F. Clear	
		12.00	23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,120	49.5 F. Clear	
		2.30	24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,680	61° F. Bright	Filters cleaned Nov. 13th.
"	15	10.00	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	880	52° F. Clear	
		12.00	26	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	590	44 F. Clear	
		2.30	27	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	240	41 F. Dull	
"	17	12.00	28	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	860	36° F. Blustery	
		5.00	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	400	33° F. Some snow	
"	18	10.00	30	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	730	29° F. Clear	
		3.00	31	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	81	31° F. Clear	
		5.00	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	90	28° F. Clear	
"	19	10.00	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,410	34° F. Clear	
		3.00	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,430	35° F. Dull	
"	20	8.00	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,000	42.5° F. Dull	Filters cleaned Saturday afternoon, Nov. 20th.
		11.30	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,970	47.5° F. Clear	
"	24	11.00	37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,570	36.5° F. Clear	
		5.00	38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,000	26° F. Clear	
"	25	10.00	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,520	26° F. Clear	
		3.00	40	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	2,160	25° F. Clear	
"	26	12.00	41	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,720	30° F. Quite damp	
		3.00	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,400	40° F. Bright	Filters cleaned Saturday, Nov. 27th.
"	29	1.30	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,790	45.5° F. Clear	
"	30	10.00	44	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	750	30° F. Quite clear	
		12.00	45	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,120	38 F. Quiet and clear	
		5.00	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	850	34 F. Clear	
Dec.	1	10.00	47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	720	37° F. Bright	
		12.00	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	890	40 F. Bright	
"	2	1.00	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,200	41 F. Clear	
"	3	10.00	50	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	570	33 F. Clear and calm	
		3.30	51	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	890	34° F. Clear	Filters cleaned Dec 4th.
"	6	3.00	52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	370	29° F. Dull and s.-w. wind	
"	7	10.40	53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	352	32° F. Dull	
		12.30	54	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	421	33° F. Flurry of snow	
		4.30	55	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	422	33° F. Windy and sleet	
"	8	10.00	56	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	810	20° F. Windy	
		5.00	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	760	17 F. Windy, s.-w.	
"	9	11.00	58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	960	28° F. Windy	
"	10	10.00	59	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	570	19° F. Snowy	
		5.00	60	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	760	21° F. No wind	
"	11	10.00	61	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	542	16° F. Clear	
		4.00	62	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	670	14 F. Clear, no wind	Filters cleaned Dec. 11th.
"	13	11.00	63	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	860	33 F. Sleet	
"	14	9.30	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	440	32° F. Dull	
"	16	4.30	65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	270	33 F. Clear, snow	
"	17	10.00	66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	274	29° F. Snow	
		4.30	67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	383	30° F. Snowing hard	
"	18	11.30	68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	334	30 F. Snowing	
		4.30	69	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	190	26 F. Snowing	Filters cleaned Dec. 18th.
"	20	12.00	70	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	160	26° F. Fair, s.-w. wind	
		4.30	71	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	225	21 F. Clear	
"	21	12.00	72	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	190	26 F. Clear	
		4.00	73	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	180	15 F. Clear	
"	22	12.00	74																	190	26° F. Clear	Plates only.
		4.00	75																	130	25° F. Clear	do
"	23	10.00	76																		24 F. Clear	Plates only, but agar infected, so of no value.
"	29	11.00	77	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	152	-9° F. Fine	Filters cleaned Dec. 25th.
		5.00	78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	145	2 F. Fine	
"	30	11.00	79	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	220	8° F. Fine	
		4.00	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	330	-5° F. Clear	
"	31	10.00	81	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	202	20° F. Clear	
		3.00	82	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	115	23° F. Clear	
1910																						
Jan.	4	10.00	83	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		-13° F. Clear, no wind	Filters cleaned Jan. 1st.
		5.00	84	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	210	-3° F. Clear	
"	5	10.30	85	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	180	16° F. Windy, snowing	
		4.00	86	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		32 F. Fine, sleet	Count not made.
"	6	10.00	87	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		21 F. Dull	do
		3.00	88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		22 F. Clear	do
"	7	10.00	89	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	109	27 F. Clear	
		3.00	90	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	55	26 F. Clear	
"	8	10.00	91	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–		18° F. Clear	Filters cleaned Jan. 8th.
"	11	10.00	92	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		27° F. Somewhat dull	Count not made.
		4.30	93	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	108	30° F. Quiet and dull	
"	12	10.11	94	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	76	31° F. Clear and no wind	
		5.00	95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	56	28° F. Clear	
"	13	10.00	96	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–		23 F. Clear	Count not made.
		5.00	97	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	76	20° F. Clear	do
"	14	10.00	98	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		10° F. Strong east wind	Count not made.
"	18	10.00	99	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	65	30° F. Raining, thawing	Filters cleaned Jan. 15th.
		5.00	100	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	75	34° F. West wind	
"	19	11.00	101	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		28. F. Bright and clear	Count not made.
		5.00	102	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		24 F. Bright, clear	do
"	20	11.00	103	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–		37 F. Clear	do
		5.00	104	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		35° F. Clear	do
"	21	11.00	105	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		34 F. Raining and snowing	do
"	23	11.00	106	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	2,250	29° F. Blowing, but clear	Filters cleaned Jan. 22nd.
"	24	11.00	107	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	600	32° F. Clear and bright	
		4.00	108	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	890	30° F. Snowing	
"	25	11.00	109	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	460	30 F. Bright	
		3.00	110	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	540	24 F. Bright	
"	26	10.00	111	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	363	26° F. Clear	
"	27	10.00	112	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	185	35° F. Snowing	

F. = Fermentation. C. R. = Colon Reaction.

Date	Hour	Serial No.	1 c.c.		5 c.c.		10 c.c.		15 c.c.		20 c.c.		30 c.c.		40 c.c.		50 c.c.		Bacteria per c.c. on Nutrient Agar—10	Temperature and Weather Conditions.	Remarks.
			F.	C. R.	F.	C. R.	F.	C. R.	F.	C. R.	F.	C. R.	F.	C. R.	F.	C. R.	F.	C. R.			
1909																					
Nov. 3	1.00	1	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	120	51° F. Dull with showers.	2 square ozonizers running.
" 4	9.30	2	+	–	+	–	+	–	+	–	+	–	+	–	+	–	–	–	110	50 F. Dull	1 square ozonizer running.
	1.00	3	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	92	44 F. Raining	do
	4.30	4	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	90	39° F. Dull	do
" 5	10.40	5	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	60	38° F. Fair	2 square ozonizers running.
	12.00	6	+	–	–	–	+	–	+	–	+	–	–	–	+	–	+	–	140	38° F. Fine and clear	do
	5.30	7	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	15	43° F. Clear	do
" 6	10.40	8	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	94	40° F. Clear	do
	12.40	9	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	130	48° F. Clear	do
	4.00	10	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	120	58° F. Clear	do
" 8	9.00	11	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	123	51° F. Misty	do
	12.00	12	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	512	49° F. Dull	do
	4.00	14	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	920	45 F. Dull	do
" 10	10.00	14	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	1,080	48° F. Dull	do
	12.00	15	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	1,180	47 F. Dull	do
	5.00	16	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	3,220	58 F. Clear	do
" 11	9.00	17	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	1,060	65 F. Clear	do
	12.00	18	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	880	57 F. Dull	do
" 12	10.00	19	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	630	57 F. Dull	do
	12.00	20	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	437	55° F. Clear	do
	4.30	21	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	1,916	48 F. Clear	do
" 13	10.00	22	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	338	46 F. Clear	do
	12.00	23	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	1,450	40.5 F. Clear	do
	2.30	24	+	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	676	41 F. Bright	do
" 15	10.00	25	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	690	32° F. Clear	do
	12.00	26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,120	44 F. Clear	do
	2.30	27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	950	41 F. Dull	do
" 17	12.00	28	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	420	36° F. Blustery	do
	5.00	29	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	660	33° F. Snow snow	do
" 18	10.00	30	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	440	29° F. Clear	do
	5.00	31	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	125	31° F. Clear	Ozonizers not running, water taken from shortlining well.
	5.00	32	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	92	28 F. Clear	2 square ozonizers working.
" 19	10.00	33	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	2,460	34° F. Clear	do
	5.00	34	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,460	35 F. Dull	do
" 20	8.00	35	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,450	42.5 F. Dull	do
	11.30	36	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,900	47.5 F. Clear	do
" 24	11.00	37	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,730	30.5° F. Clear	do
	5.00	38	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,530	26° F. Clear	do
" 25	10.00	39	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	2,210	29° F. Clear	do
	5.00	40	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,750	25 F. Clear	do
" 26	11.00	41	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	800	24° F. Quite damp	do
	5.00	42	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,400	19 F. Bright	do
" 29	1.30	43	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	2,090	18.5° F. Clear	do
" 30	10.00	44	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	740	29° F. Clear clear	1 oblong ozonizer and 1 square ozonizer working.
	12.00	45	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,040	38° F. Quiet and clear	do
	5.00	46	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	611	34 F. Clear	do
Dec. 1	10.00	47	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	670	45° F. Bright	1 oblong ozonizer working.
	12.00	48	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	530	49° F. Bright	do
	1.00	49	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,540	41° F. Clear	2 oblong ozonizers working.
" 3	10.00	50	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	870	35 F. Clear and calm	do
	5.30	51	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	170	34 F. Clear	do
" 6	3.00	52	–	–	+	–	+	–	–	–	+	–	+	–	+	–	+	–	389	29 F. Dull and s.-w. wind	do
" 7	10.30	53	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	296	32° F. Clear	do
	12.30	54	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	275	33° F. Flurry of snow	do
	4.30	55	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	373	33° F. Windy and sleet	do
" 8	10.00	56	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	720	20° F. Windy	do
	5.00	57	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	515	17° F. Windy, s.-w.	do
" 9	11.00	58	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	600	28 F. Windy	do
" 10	10.00	59	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	530	19° F. Snowing	do
	5.00	60	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	670	21 F. No wind	do
" 11	10.00	61	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	570	16° F. Clear	do
	4.00	62	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	572	14° F. Clear, no wind	do
" 13	11.00	63	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	610	33 F. Sleet	do
" 14	9.30	64	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	421	32 F. Dull	do
" 16	4.30	65	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	250	33° F. Clear and snow	do
" 17	10.00	66	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	307	29° F. Snow	do
	4.30	67	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	345	30 F. Snowing hard	do
" 18	11.30	68	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	330	30 F. Snowing	do
	4.30	69	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	207	29° F. Snowing	2 oblong ozonizers working, blower used.
" 20	12.00	70	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	120	26 F. Fair, s.-w. wind	2 oblong ozonizers working, no blower.
	4.30	71	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	173	21° F. Clear	2 oblong ozonizers working, blower used. Cracks in ozone room plastered up.
" 21	12.00	72	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	150	26° F. Clear	2 oblong ozonizers working, blower used.
	4.00	73	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	143	15° F. Clear	do
" 22	12.00	74																	150	26° F. Clear	Plates only, blower used.
	4.00	75																	170	25 F. Clear	do
" 23	10.00	76																		24 F. Clear	Plates only, but agar infected, so of no value.
" 29	11.00	77	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	148	9° F. Fine	2 oblong ozonizers, blower used.
	5.00	78	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	148	2° F. Fine	do
" 30	11.00	79	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	150	8° F. Fine	do
	4.00	80	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	264	–5 F. Clear	do
" 31	10.00	81	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	201	20° F. Clear	do
	3.00	82	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	140	23 F. Clear	do
1910																					
Jan. 4	10.00	83	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	Count not made.	–13° F. Clear, no wind	2 ozonizers, but no blower.
	5.00	84	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	do	–3° F. Clear	do
" 5	10.30	85	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	do	16° F. Windy, snowing	2 ozonizers and blower used.
	4.00	86	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	do	32° F. Fine, sleet	do
" 6	10.00	87	–	–	–	–	–	–	+	–	+	–	+	–	+	–	+	–	do	21 F. Dull	do
		88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	do	22 F. Clear	do
" 7	10.00	89	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	116	27 F. Clear	do
	3.00	90	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	67	25° F. Clear	do
" 8	10.00	91	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	Count not made	18 F. Clear	do
" 11	10.00	92	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	76	27 F. Somewhat dull	2 ozonizers and blower used. Ventilator put in transformer room.
	4.30	93	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	95	35° F. Quiet and dull	do
" 12	10.00	94	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	72	31 F. Clear and no wind	do
	3.00	95	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	50	29° F. Clear	2 oblong ozonizers working, blower off.
" 13	10.00	96	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	Count not made.	23° F. Clear	2 oblong ozonizers and blower working.
	5.00	97	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	79	20° F. Clear	do
" 14	10.00	98	+	–	+	–	–	–	+	–	+	–	+	–	+	–	+	–	Count not made.	10° F. Strong east wind	do
" 18	10.00	99	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	90	39° F. Raining, thawing	do
	5.00	100	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	70	34° F. West wind	do
" 19	11.00	101	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	Count not made.	29° F. Bright and clear	do
	5.00	102	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	do	24° F. Bright and clear	do
" 20	11.00	103	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	do	37° F. Clear	do
	5.00	104	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	do	35° F. Clear	do
" 21	10.00	105	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	do	34 F. Raining and snowing	do
" 23	11.00	106	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	1,900	29 F. Blowing but clear	1 oblong ozonizer and blower working.
" 24	11.00	107	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	550	32 F. Clear and bright	do
	4.00	108	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	930	30° F. Snowing	do
" 25	11.00	109	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	405	26° F. Bright	do
	5.00	110	–	–	–	–	+	–	+	–	+	–	+	–	+	–	+	–	363	24° F. Bright	do
" 26	10.00	111	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	382	26° F. Clear	do
" 27	10.00	112	–	–	+	–	+	–	+	–	+	–	+	–	+	–	+	–	170	35° F. Snowing	do

F. = Fermentation. C. R. = Colon Reaction.

Date.	Hour.	Serial No.	1 c.c. F.	1 c.c. C. R.	5 c.c. F.	5 c.c. C. R.	10 c.c. F.	10 c.c. C. R.	15 c.c. F.	15 c.c. C. R.	20 c.c. F.	20 c.c. C. R.	30 c.c. F.	30 c.c. C. R.	40 c.c. F.	40 c.c. C. R.	50 c.c. F.	50 c.c. C. R.	Bacteria per c.c. at 18°-22° C. N. Agar + 10.	Temperature and Weather Conditions.	Remarks.
1909																					
Nov. 3	1.00	1	+	+	+	+	+	−	−	−	+	−	+	+	+	−	+	+	70	51° F. Dull with showers..	Sample of tap water was
" 7	10.00	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	97	27° F. Clear	do
	3.00	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	76	25° F. Clear	
" 8	10.00	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	100	18° F. Clear	
" 11	10.00	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	104	27° F. Somewhat dull	
	4.30	93	+	−	+	+	+	−	+	+	+	+	+	+	+	+	+	+	112	30° F. Quiet and dull.....	
" 12	9.30	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	64	31° F. Clear and no wind..	
	3.00	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	29° F. Clear	Tap water taken from Simpson Hotel.
" 13	9.30	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Count not made.	23° F. Clear	do
	3.00	97	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	do	20° F. Clear	do
" 14	9.30	98	−	−	+	−	+	−	+	−	+	−	+	+	+	+	+	+	do	10° F. Strong east wind...	do
" 18	9.00	99	−	−	+	−	+	+	−	−	+	+	+	+	+	+	+	+	45	39° F. Raining, thawing...	do
	3.00	100	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	60	34° F. West wind	do
" 19	11.00	101	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	Count not made.	29° F. Bright and clear...	do
	3.00	102	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	do	24° F. Bright, clear.....	do
" 20	10.00	103	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	do	37° F. Clear	do
	3.00	104	−	−	−	−	−	−	+	+	+	−	+	+	+	+	+	+	do	35° F. Clear	do
" 21	9.00	105	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	do	34° F. Raining, snowing ..	Benson Hotel tap water.
" 23	10.00	106	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,200	29° F. Blowing, but clear.	
" 24	10.00	107	+	−	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,800	32° F. Clear and bright ...	
	3.00	108	+	−	+	−	+	+	+	+	+	+	+	+	+	+	+	+	480	30° F. Snowing.....	
" 25	10.00	109	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	420	30° F. Bright	
	2.00	110	−	−	−	−	+	+	+	+	+	−	+	−	+	+	+	+	382	24° F. Bright	
" 26	9.30	111	−	−	−	−	+	+	+	+	+	+	+	+	+	+	+	+	420	26° F. Clear	

F. = Fermentation. C. R. = Colon Reaction.

Date.	Hour.	Serial No.	1 c.c. F.	1 c.c. C.R.	5 c.c. F.	5 c.c. C.R.	10 c.c. F.	10 c.c. C.R.	15 c.c. F.	15 c.c. C.R.	20 c.c. F.	20 c.c. C.R.	30 c.c. F.	30 c.c. C.R.	40 c.c. F.	40 c.c. C.R.	50 c.c. F.	50 c.c. C.R.	Bacteria per c.c. at 18–22 C. in Agar. No.	Temperature and Weather Conditions.	Remarks.
1909																					
Nov. 3	1.00	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	70	51 F. Dull with showers.	Sample of tap water was
" 4	9.30	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	–	100	59 F. Dull	taken from faucet in wash
																					room of the Benson Hotel.
	1.00	3	+	–	+	–	+	–	+	–	+	–	+	–	+	–	+	+	112	44 F. Raining	do
" 5	10.00	5	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	20	38 F. Fair	
	12.00	6	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	52	38 F. Fine and clear	
" 6	10.00	8	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	80	49 F. Clear	
	12.00	9	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	110	48 F. Clear	
" 8	9.00	11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	251	54 F. Misty	
	12.00	12	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	93	49 F. Dull	
" 10	10.00	14	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,160	48 F. Dull	
	12.00	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,660	47 F. Dull	
" 11	9.00	17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	960	65 F. Clear	
" 12	10.00	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	560	57 F. Dull	
	2.30	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	690	55 F. Clear	
" 13	10.00	22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	302	46 F. Clear	
	12.00	23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,580	49.5 F. Clear	
	2.00	24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	690	52 F. Clear	
" 15	10.00	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	590	44 F. Clear	
	12.00	26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	470	46 F. Blustery	
" 17	12.00	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	310	29 F. Clear	
" 18	9.00	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	70	31 F. Clear	
	3.00	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,570	34 F. Clear	
" 19	10.00	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,470	35 F. Dull	
	3.00	34	+	–	+	–	+	–	+	+	+	+	+	+	+	+	+	+	1,180	42.5 F. Dull	
" 20	8.00	35	+	–	+	–	+	–	+	+	+	+	+	+	+	+	+	+	3,140	30.5 F. Clear	
" 24	11.00	37	+	–	+	–	+	–	+	+	+	+	+	+	+	+	+	+	2,110	20 F. Clear	
	5.00	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,820	29 F. Clear	
" 25	10.00	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2,110	25 F. Clear	
	3.00	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	960	29 F. Quite damp	
" 26	9.30	41	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	970	48 F. Bright	
	2.30	42	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	2,670	45.5 F. Clear	
" 29	1.30	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	770	39 F. Quite clear	
" 30	10.00	44	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	620	34 F. Clear	
	3.00	46	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	1,350	37 F. Bright	
Dec. 1	10.00	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1,130	41 F. Clear	
" 2	1.00	49	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	670	34 F. Clear and calm	
" 3	9.30	50	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	550	34 F. Clear	
	3.30	51	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	461	29 F. Dull and s.-w. winds	
" 6	3.00	52	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	233	32 F. Dull	
" 7	9.30	53	–	–	–	–	–	–	–	–	–	–	–	–	–	+	–	+	380	33 F. Windy and sleet	
	3.30	55	–	–	–	–	–	–	–	–	–	–	–	–	+	+	+	+	298	20 F. Windy	
" 8	9.30	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	552	17 F. Windy, s.-w.	
	2.30	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	540	28 F. Windy	
" 9	9.30	58	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	600	19 F. Snowing	
" 10	9.30	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	340	21 F. No wind	
	5.00	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	470	16 F. Clear	
" 11	9.30	61	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	570	14 F. Clear, no wind	
	3.00	62	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	690	33 F. Sleet	
" 13	9.30	63	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	409	32 F. Dull	
" 14	9.30	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	417	32 F. Clear, snow	
" 16	2.00	65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	230	29 F. Snow	
" 17	10.00	66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	380	30 F. Snowing hard	
	4.30	67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	221	30 F. Snowing	
" 18	9.30	68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	280	26 F. Snowing	
	4.30	69	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	125	26 F. Flurr, s.-w. wind	
" 20	9.30	70	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	119	21 F. Clear	
	3.00	71	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	184	26 F. Clear	
" 21	9.30	72	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	170	15 F. Clear	
	4.00	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	150	25 F. Clear	
" 22	4.00	75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	139	2 F. Fine	Plates only.
" 24	5.00	75	–	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	83	8 F. Fine	
" 30	9.30	79	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	190	–8 F. Clear	
	4.00	80	+	+	–	–	+	+	+	+	+	+	+	+	+	+	+	+	145	20 F. Clear	
" 31	9.30	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	95	23 F. Clear	
	3.00	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
1910																					
Jan. 4	9.30	83	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	–13 F. Clear, no wind	Count not made.
	2.30	84	–	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	–2 F. Clear	do
" 5	10.30	85	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.....	16 F. Windy, snowing	do
	4.00	86	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	.....	32 F. Fine sleet	do
" 6	10.00	87	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	.....	21 F. Dull	do
	3.00	88	–	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	.....	22 F. Clear	do
" 7	10.00	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	97	27 F. Clear	
	3.00	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	76	25 F. Clear	
" 8	10.00	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	100	18 F. Clear	
" 11	10.00	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	104	27 F. Somewhat dull	
	4.30	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	112	30 F. Quiet and dull	
" 12	9.30	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	64	31 F. Clear and no wind	
	3.00	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	29 F. Clear	Tap water taken from Simpson Hotel.
" 13	9.30	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Count not made.	23 F. Clear	do
	3.00	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	do	30 F. Clear	do
" 14	9.30	98	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	do	10 F. Strong east wind	do
" 18	9.00	99	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	45	30 F. Raining, thawing	do
	3.00	100	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	90	34 F. West wind	do
" 19	11.00	101	+	–	–	–	+	+	+	+	+	+	+	+	+	+	+	+	Count not made.	29 F. Bright and clear	do
	3.00	102	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	do	24 F. Bright, clear	do
" 20	10.00	103	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	do	37 F. Clear	do
	3.00	104	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	do	35 F. Clear	do
" 21	9.00	105	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	do	34 F. Raining, snowing	Benson Hotel tap water.
" 23	10.00	106	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	2,200	28 F. Blowing, but clear	
" 24	10.00	107	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	2,800	32 F. Clear and bright	
	3.00	108	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	480	36 F. Snowing	
" 25	10.00	109	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	420	30 F. Bright	
	2.00	110	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	582	24 F. Bright	
" 26	9.30	111	–	–	–	–	–	–	–	–	+	+	+	+	+	+	+	+	420	26 F. Clear	

F. – Fermentation. C. R. – Colon Reaction.

methods of the American Public Health Association (Laboratory Section). If the colon bacillus is present the following reactions should be obtained.

(1) Characteristic growth on agar slant.
(2) Absence of liquefaction in gelatine.
(3) Coagulation and acidification of milk with gas formation.
(4) Characteristic motility and morphology.
(5) Gram's stain negative.
(6) Indol reaction.
(7) Organism for above recovered on litmus lactose agar plate as red colony.

These confirmation tests were not made on all the samples because of the difficulty of testing so many cultures. It would have meant proving out 48 to 72 cultures a day according as two or three series were made. This in the nature of the conditions was impossible. These confirmatory tests were made with samples selected at random from those showing positive colon reactions, and proved beyond doubt the presence of colon bacilli. Consequently, I conclude that all the others showing colon reactions (C. R.) contained the colon bacillus.

The following table will show the number of counts made during the test, and the average number of bacteria in each count:

Source of water.	Number of tests.	Average number of bacteria per c.c.
Raw water	190	827
Filtered water	196	577
Ozonized water	194	531
Tap water	194	528

This shows an average reduction due to filtration alone of 30.2 per cent. over the raw water, with an average reduction after passing through the ozone sterilizer of 7.98 per cent. over the filtered water.

The combined reduction of bacteria by filtration and ozonization is 35.78 per cent., while in the tap water the total reduction over the combined filtration and ozonization is an additional 0.56 per cent. A similar reduction is frequently found in other systems in tap water at a distance from the pumping station and has usually been accounted for by sedimentation.

I attach herewith schedules showing:

(1) Detailed results of tests made showing fermentation reactions and bacterial counts.

(2) Summary of average weekly bacterial counts.

(3) Summary giving total number of tests of each water used showing the number of positive and negative fermentations and also the total number of these fermentations which showed positive and negative colon reactions.

I have the honour to be,
Yours respectfully,

GEO. R. PHILP.

DR. HODGETTS,
Chief Health Officer of Ontario,
Toronto.

AVERAGE BACTERIAL COUNTS, BY WEEKS.

Week ending.	Number of samples.	Raw.	Filtered.	Ozonized.	Tap.	Percentage Reduction by Filtration.	Percentage Reduction of Bacteria by Ozonization of Filtered Water.	Combined Reduction by Filtration and by Ozonization.
1909.						%	%	%
November 6	10	200	136	97	78	32.0	28.7	51.5
" 13	14	1,943	1,026	1,127	815	47.2	.....	43.0
" 20	12	1,450	1,006	956	844	30.6	4.97	34.1
" 27	6	2,286	1,910	1,613	1,852	16.2	15.5	29.4
December 4	9	1,525	1,098	1,061	1,148	28.0	3.4	30.4
" 11	11	910	605	498	461	33.5	17.7	45.2
" 18	7	559	393	353	374	29.7	10.2	36.8
" 25	7	214	174	151	166	14.2	13.2	29.4
1910.								
January 1	6	265	194	175	123	26.8	9.8	34.0
" 8	9	128	87	91	91	32.0	.....	28.9
" 15	7	107	79	75	82	26.2	5.06	29.9
" 22	7	115	70	60	53	39.1	14.3	47.8
" 29	7	1,054	727	670	780	31.0	7.84	36.4
Average count of 112 samples		827	577	531	528	30.23	7.97	35.78

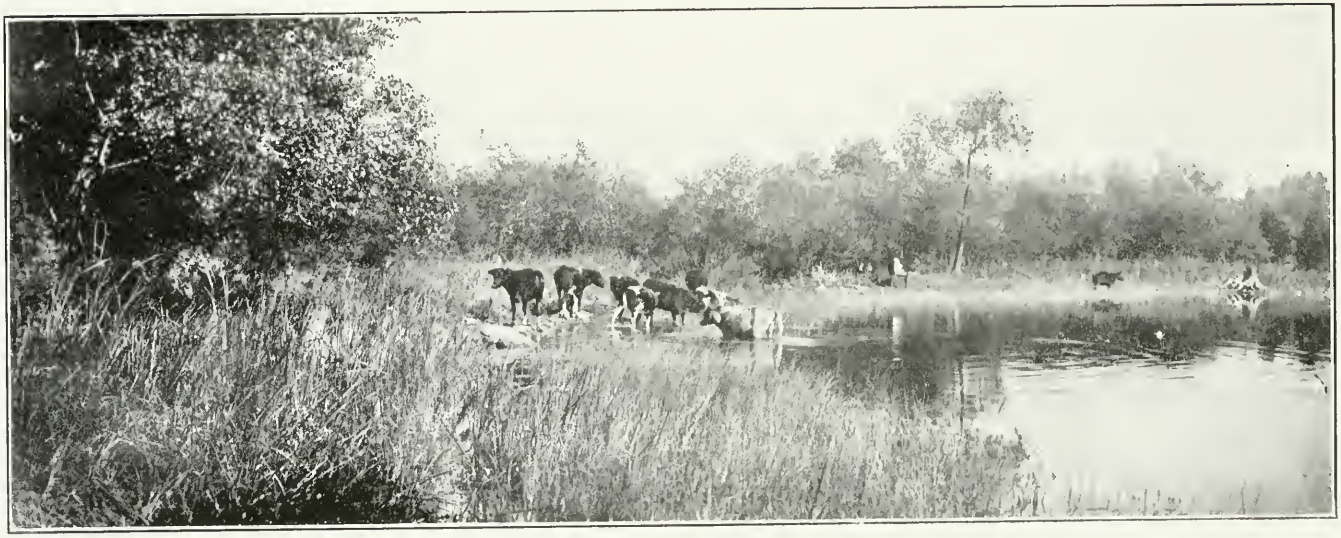
0.66 reduction in tap water over ozonized water.

SUMMARY OF FERMENTATION REACTIONS.

Showing number of Positive and Negative Fermentations and Colon Reactions in each of the quantities of the several waters tested.

Water.	No. of samples.	1 c.c.				5 c.c.				10 c.c.				15 c.c.				20 c.c.				30 c.c.				40 c.c.				50 c.c.			
		F.		C. R.		F.		C. R.		F.		C. R.		F.		C. R.		F.		C. R.		F.		C. R.		F.		C. R.		F.		C. R.	
		−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+	−	+
Raw	108	30	78	43	65	16	92	35	73	7	101	10	98	5	103	9	99	3	105	6	102	2	106	2	106	3	105	4	104	1	107	3	105
Filtered	109	23	86	64	45	21	88	49	60	8	101	15	94	4	105	8	101	3	106	10	99	3	106	8	101	7	102	12	97	2	107	9	100
Ozonized	109	34	75	68	41	26	83	52	57	9	100	17	92	6	103	13	96	2	107	11	98	2	107	8	101	2	107	10	99	2	107	10	99
Tap	92	29	63	58	34	19	73	45	47	8	84	13	79	5	87	11	81	4	88	10	82	3	89	12	80	2	90	9	83	1	91	5	87

F. = Fermentation. C. R. = Colon Reaction.

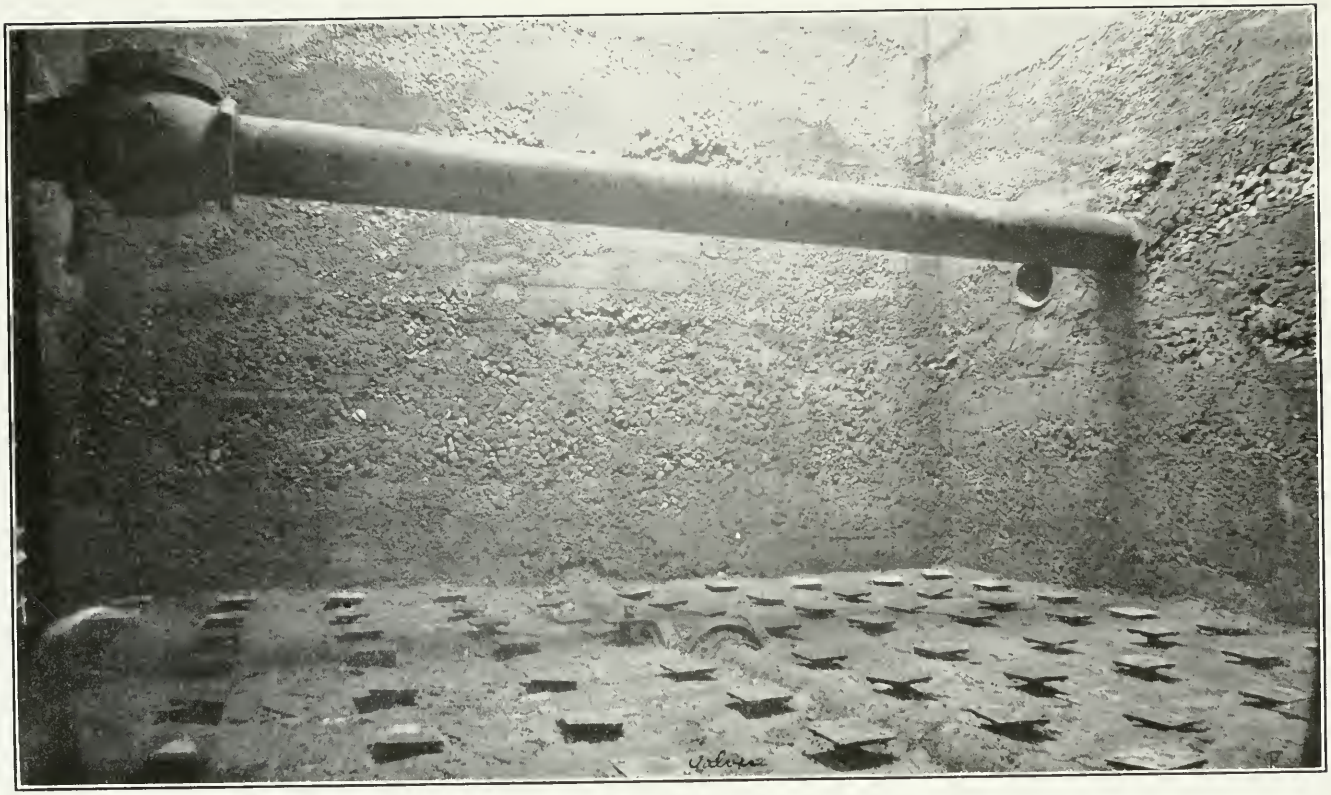


A.—A typical scene on the banks of the Scugog River above the intake of the Lindsay Pumping Station.

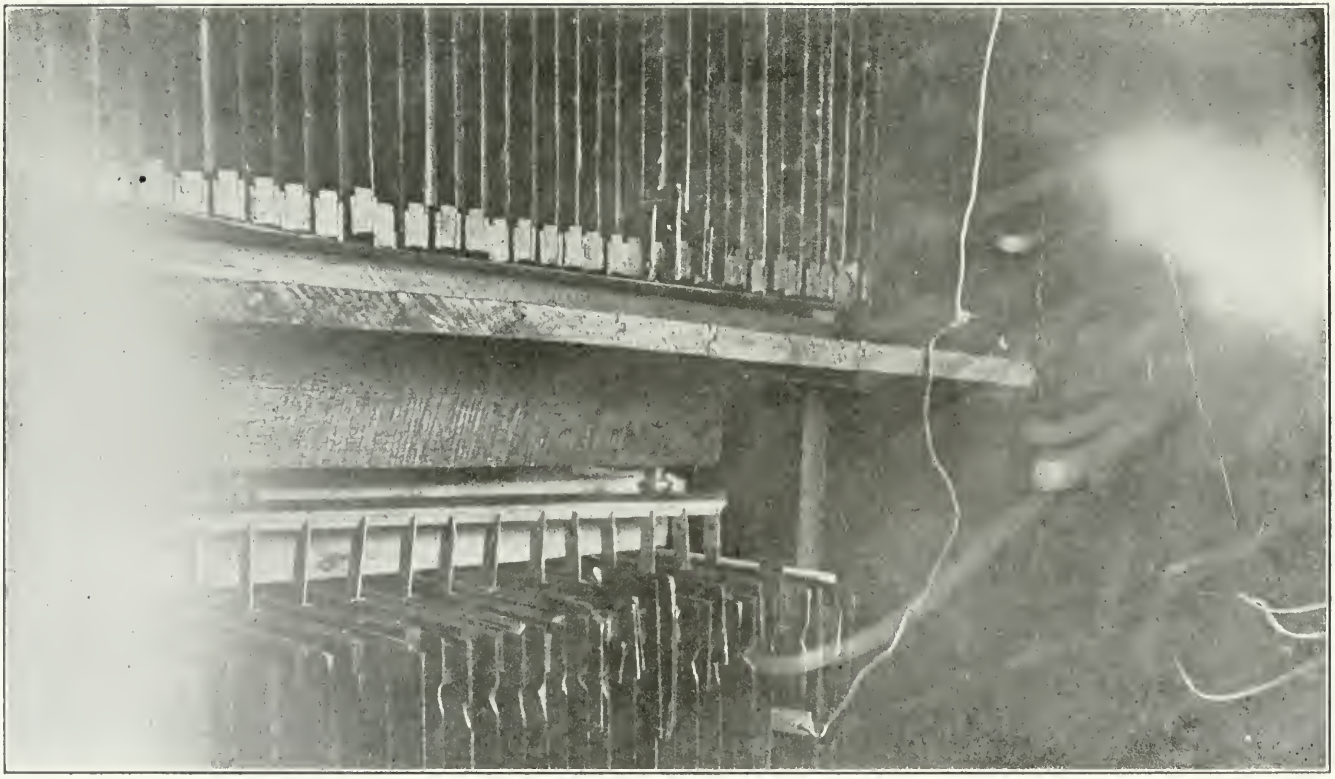
B.—General view of the Lindsay plant looking up the river towards Scugog Lake.

C.—General view of the Lindsay plant looking down the river towards Lindsay.

D.—Interior of the Ontario Board of Health Testing Laboratory in Lindsay.



E.—View showing the concrete work and the straining valves at the bottom of the square filter.



F.—View of Ozonizers as finally installed.

REPORT ON BURKS FALLS WATER SUPPLY.

By T. Aird Murray,

Consulting Sanitary Engineer, Toronto.

In accordance with your letter of the 29th September last, instructing me to proceed to Burks Falls to report on an efficient method of either improving the present water supply or obtaining water from some other source, I visited Burks Falls on four days of October last, viz., the 18th, 19th, 20th, 21st.

Along with Dr. Barber (the Medical Health Officer of the town) and other leading citizens, I made a thorough examination of the present source of supply relative to quality and quantity of the water. I also examined into the possibility of adopting other or alternative supplies. I now beg to report as follows:

Present Supply from Reazin Lake.

The present supply of water is obtained from a small forest lake three acres in extent, located about 146 feet above the town hill. Water is led from this lake by gravitation to the town.

Quality of the Water.—Colour brown, having the characteristic appearance of bog water. Smell and taste distinctly of the products of decayed vegetable matter. Analyses of the water made by your analyst show a high degree of vegetable pollution, but that the water is otherwise pure from a pathogenic standpoint. The taste and odour render it very objectionable to consumers.

Source of Lake Supply.—An examination of the lake showed no visible supply, such as a stream or any defined inlet. The lake is surrounded on all sides by forest, the growth encroaching upon the margin of the lake. There being thus no visible supply, the ordinary investigations were made to trace the source of the incoming water. The lake ranges from twenty to thirty feet in depth throughout its maximum area, and the Fahrenheit temperature of the water being taken at several points, readings ranged from 34° in the centre to 39° at the edge of the lake, while the atmospheric temperature registered 38°. The only explanation for the water being so much colder than the atmosphere and the water at the edge of the lake is that the supply is from springs located at the base of the lake.

Quantity of Water.—By opening one of the sluice valves on the main supply pipe the lake was lowered in level seven inches in eighteen hours, about 457,359 gallons having been running to waste. During the following twenty-four hours, the sluice valve being closed and the town continuing to obtain its normal supply, the level of the lake rose one inch, equivalent to a quantity of 65,337 gallons of water. The population of Burks Falls is 1,200, and allowing a rate of fifty gallons per head per day for all purposes, including waste, a daily consumption may be assumed of 60,000 gallons. This consumption, plus the amount of water the lake made during the above twenty-four hours, equals 125,337 gallons, which may fairly be taken as the incoming supply to the lake from the springs.

Before the lake was lowered to the extent of the seven inches, a considerable overflow existed, forming a stream of water flowing from the lake through the forest. Owing to the lowering of the water this overflow was cut off, hence the explanation of the water rising in the preceding twenty-four hours, although the usual demand was being made upon it for town consumption.

The above data show a sufficient supply for domestic purposes for Burks Falls. The main objections to the water, however, are the taste, odour and colour.

Alternative Sources of Supply.

I inspected several of the surrounding lakes, and examined the topography of the valley with reference to the possibility of obtaining water either from the lakes or from springs or wells. A tannery located in the valley obtains a supply of water approximating 12,000 gallons per day from a well sunk ninety-five feet in depth. The quality of the water is satisfactory for domestic purposes, but the watershed from which this water drains is not of sufficient area to warrant a supply equal to the demands of the whole town. If another well was sunk to tap this supply of water it would probably result in taking away the tannery supply and not provide an adequate supply to the town. The valley in which the town is located is a comparative basin of rock formation, with a shallow covering of alluvial deposit of gravel and sand, the centre of the valley being drained by a river. The only water which can be anticipated by wells is the small amount flowing through this layer of alluvial deposit to the river.

With reference to the neighbouring lakes. The only lake which deserves practical consideration is Three Mile Lake, from which an ample supply of pure and clear water could be obtained. Mr. Willis Chipman, C.E., has recently reported to the town on this source of supply. Mr. Chipman's estimate of cost is from $40,000 to $50,000, and this appears to be a fair estimate. He recommends Three Mile Lake as an ideal source of supply for Burks Falls. All the evidence which I obtained proves beyond doubt that in this conclusion he is correct. If it is a question of abandoning the present supply from Reazin Lake, I must then recommend a supply from Three Mile Lake.

The Financial Aspect of the Problem.

The Town of Burks Falls is not in a financial position to meet any large expenditure for a new source of water supply at present. The general tax rate is thirty mills. The amount available for assessment is $282,387, while the local debt is close on $40,000. The municipality could not at present float a debenture loan. Therefore, although the Three Mile Lake scheme is in many ways desirable, it is not practical at present. Such a scheme should, however, be the ultimate aim of the municipal future policy with reference to the water supply.

What is Practicable?

The objections to the present water supply are on account of colour, taste and odour, otherwise the water is wholesome.

The colour can be almost totally removed. The taste and odour can be totally removed. The treatment for the above removal can be accomplished at a small expenditure compared with that necessary for a change of source of supply.

The brown colour of the water is due to tannin from the presence of leaves and logs in the lake. The taste and odour are due to the water entering the lake having to pass through a layer of decomposing vegetable silt. The water in passing through this layer absorbs gases which are the products of the decomposition, and the surface of the lake is not large enough to allow of complete aeration and oxidation.

The location and depth of the lake render it too expensive to attempt to clean out and remove the silt: such a work would probably cost as much as a new water supply from Three Mile Lake.

There are little or no solids in suspension contained in the water. While the water is discoloured, turbidity is nil. The water, therefore, does not require filtering in the ordinary sense of straining, but it does require (*a*) aerating in order to get rid of the absorbed gases; (*b*) oxidation and nitrification, in order to mineralize the organic ammonia and so reduce the vegetable-contained matter in solution.

Recommended.

That an aerating and nitrifying plant be established on the line of supply pipe near the lake, providing an hydraulic head of at least 7 ft. 6 in. at the plant.

Drawings of an installation designed to meet the particular conditions are attached to this report.

The plant consists of a rough continuous filter on the percolating type, made up of 4 ft. 6 in. depth of gravel (about walnut size), and a top layer of 1 ft. 6 in. depth of charcoal (about 1 in. cubes). The water to be distributed over the surface of the filter by spray pipes operated under pressure, and to be collected by under-drains discharging into an effluent channel constructed along the sides and lower end of the filter. A measuring weir is provided at outlet end of the channel, and a controlling valve to regulate the supply from the lake is provided on the main supply pipe to the filter.

The filter will never be under conditions of saturation, as the water passing continuously through the filtering material will be in constant contact with the air.

The distribution of the water by a spray method provides aeration.

The layer of charcoal will remove the colour, the effect of charcoal in removing colour from water due to tannin being well known in practice.

The gravel provides a nitrifying bed, in which organic matter in solution is mineralized. Nitrification will not immediately take place on first using the filter, but two or three weeks must elapse before the filter becomes what is called mature, and this action developed. As soon as nitrification is commenced, the effluent being first aerated, then decoloured, and the organic matter mineralized, the water will be minus its objectionable qualities.

The plant must be protected from frost, and for this purpose a wood frame building is provided.

Storage of the treated water will be required to the amount of half the daily capacity, viz., 50,000 gallons, as the filter will work continuously day and night. A tank, 40 ft. by 40 ft., holding 5 ft. depth of water, is provided with a cover to protect from frost. Once the filter is regulated to the daily supply, little attention will be required except during winter, when it will be necessary to heat the building with a stove and maintain a temperature above freezing point.

I estimate the cost for the whole of the above plant at $3,500.

The above provides for a system which is admitted to be the most efficient for treating water of the above character. It is recommended generally for water polluted by algae growth, and, in fact, for all water contaminated by ordinary vegetable matter in solution, when it is not a question of the removal or sterilization of pathogenic bacteria, none of which are present in this particular water.

Prop

Gallons per day.

per Acre
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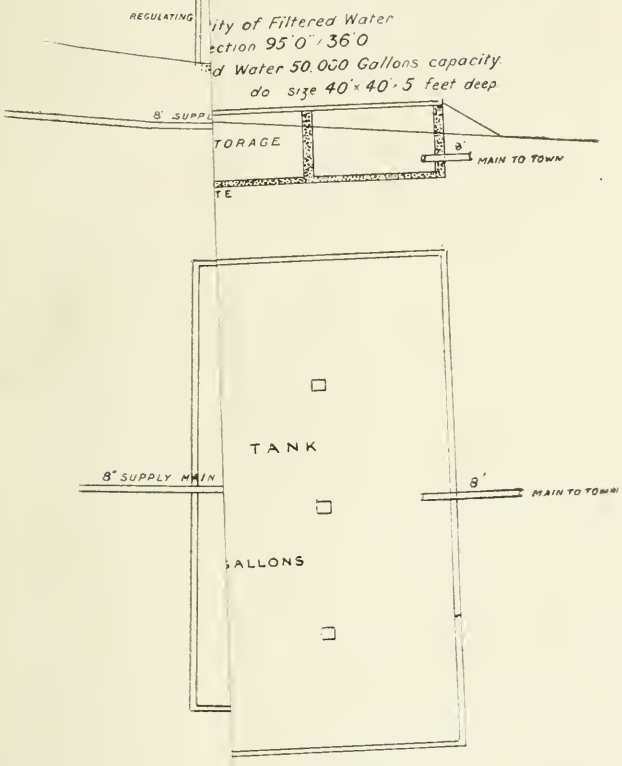
al 1" cubes.
l Walnut Size
meter
er



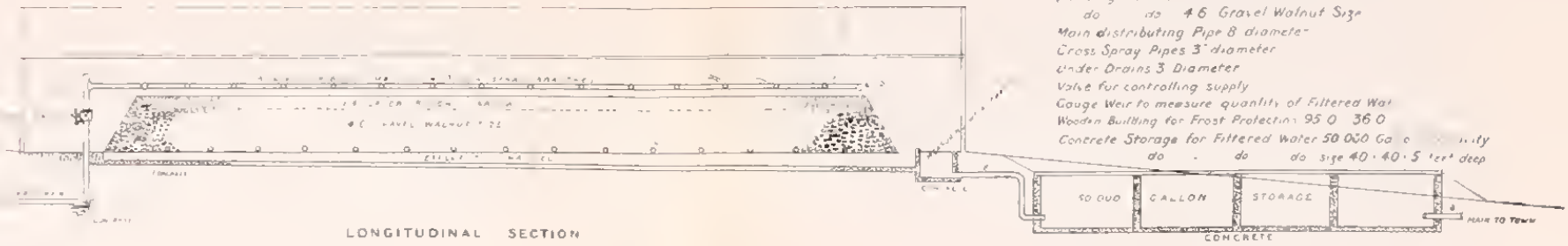
y. C.E.
ntal Life Buildings.
TORONTO
Nov 4th 1903

Ontario Provincial Board of Health.

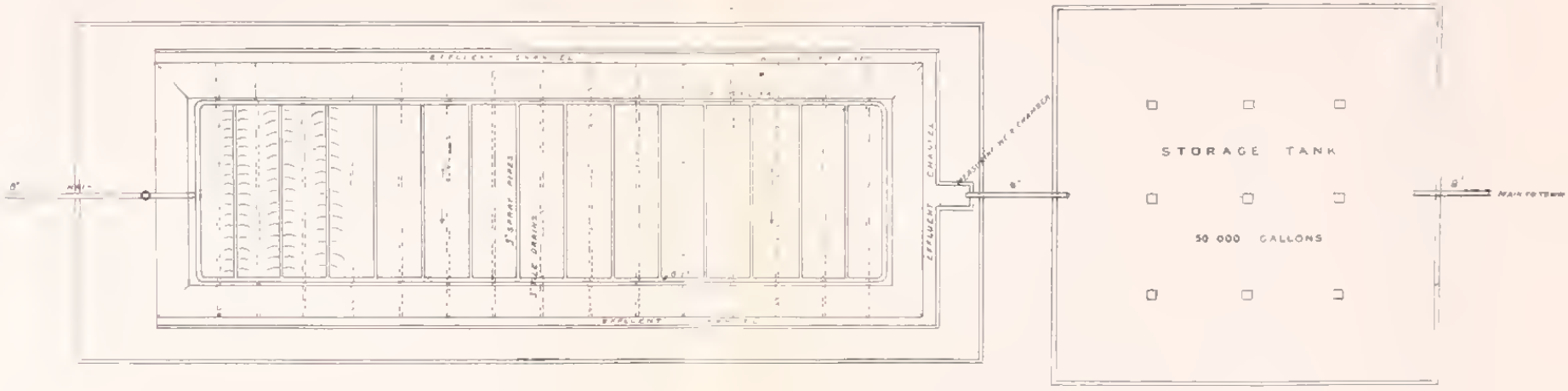
Proposed Aerating & Nitrifying Bed - Burk's Falls Water Supply

REFERENCE

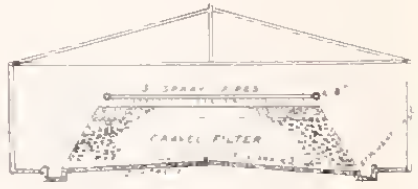
Size of Bed 75 0 × 20 0
Area of Base of Bed 82 0 × 27
Depth of Bed 6 0
Area of Bed 166 Sq Yds
Capability of Filter 100 000 [illegible] per
Capability of Filter
Rate of Filtration 3 000, 000 per Acre
Head required for distribution 7 6
Filtering Material 1 6 Charcoal 1 rubes
do do 4 6 Gravel Walnut Size
Main distributing Pipe 8 diameter
Cross Spray Pipes 3" diameter
Under Drains 3 Diameter
Valve for controlling supply
Gauge Weir to measure quantity of Filtered Wat
Wooden Building for Frost Protection 95 0 36 0
Concrete Storage for Filtered Water 50 000 Ga [illegible] ity
do do do size 40 × 40 × 5 feet deep



LONGITUDINAL SECTION



PLAN



CROSS SECTION

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612, Continental Life Buildings
TORONTO
Nov 4th 1903

Report *re* Cobalt Water Supply

By R. W. Bell, M.D., Medical Inspector.

Plans and specifications for water works and sewerage systems for the Town of Cobalt were placed in my hands by your Secretary, with instructions to look over the situation and report thereon. I visited Cobalt on July 6th, and found there had recently been installed a pumping station on the shore of Sasaginaga Lake, near the Buffalo Mine, and the water was being delivered to the citizens of the town from this source through iron pipes laid on the surface of the ground. I believe your Board approved of a scheme two or three years ago, providing a supply of water from Clear Lake, but this was never carried out, and now the application is for approval of the Sasaginaga supply with a filtration plant of some kind, or an alternative one from Clear Lake without filtration, the cost being about the same. Samples of water from both the lakes have, I understand, been frequently examined by your Bacteriologist, with the report generally being more favourable to Clear Lake as more free from algae. I visited both lakes and sent in three samples of water from each, taken at various points for examination. Dr. Amyot's report on these, herewith attached, shows virtually no difference, and both free from pollution at the time of my visit. However, with the liability to contamination and the usually known large quantity of algae, I do not think it would be safe to use either supply without previous filtering. The expressed desire on the part of the municipal authorities is to use the Sasaginaga water without filtration for a period of two or three years, until some revenue can be raised from this source to pay for the filtration plant. This, to my mind, would be unwise, as a great risk in the meantime would be run.

A slight change in the course of the main from that indicated on the plan submitted is desired, but it is only a straightening and shortening of it for a few yards, and of no consequence. The situation of the present pumping station is not where indicated on the plan, but if Sasaginaga Lake supply is approved, the change, only being across a small bay, will not affect it adversely.

Sasaginaga Lake would afford an ample supply of water, while I think it yet doubtful whether Clear Lake would do so or not. It is only about 1,000 yards long and 50 to 400 yards wide. I was informed that it was very deep, varying from 20 to 100 feet. There is no visible inlet by creeks, etc., and it must be supplied by a direct watershed or by springs, or both. The outlet is into Sasaginaga Lake a few hundred yards distant. The shores of both lakes are, as a rule, high and rocky, but there are some rather marshy shores in the bays of Sasaginaga.

Re Sewers.

The sewage of the town at present either finds its way directly into Cobalt Lake, or into a ravine which angles across and to the north of the town, and along a portion of which there is a box drain. It is intended to utilize this ravine for a main sewer, with a sewage disposal plant near the Athletic Grounds at the north end of the town, the liquid from the disposal works being carried a short distance further by a pipe and then discharged in a swamp near Sasaginaga Creek.

a small outlet from the lake which also empties into this swamp. Beyond the swamp the waters are again narrowed into a creek, which ultimately reaches Lake Temiskaming.

The intention, I found, although not clearly indicated in the specifications, is to lay the water and sewer pipes in the same trench, except at two or three points where, for a short distance, the sewers will cross private lots, so as to follow the course of the ravine. This, I consider, rather a serious matter, and to be avoided if possible.

REPORT ON

THE WATER SUPPLY AND SEWERAGE.

COBALT, ONTARIO.

——— & Sutcliffe, C. E.

In accordance with your instructions, we have carefully investigated the questions of water supply and sewerage for your town, making such surveys as were necessary and possible at the present season, and after considering in detail the whole problem, we have the honour to report as follows:

Water Supply.

The previous report and survey of your proposed water works system chose Sasaginaga Lake as the most suitable and economical supply. Our own observation of this lake and its surrounding country, as far as we were able to observe, under present circumstances, indicated that this supply would be the proper one to adopt, being within short distance of the town, of considerable area and having many other advantages from a hydraulic stand-point. Our accurate surveys for pipe lines, etc., were therefore made with reference to this lake as a source of supply.

We regret to learn that in the summer season the waters of Sasaginaga Lake contain large quantities of vegetable organisms, known as algæ, etc.

While these organisms are in themselves harmless, where they exist in large quantities they seriously affect the quality of drinking water, sometimes causing the water to both smell and taste badly.

It may be here noted that this is not an uncommon thing, as these vegetable growths have given much trouble in the reservoirs of many water supplies, necessitating some treatment of the water.

Dr. Amyot reports that Clear Lake is not so much affected in this way, but that there is some danger of pollution from the mining companies operating at the eastern end of the lake.

We have considered the possibilities of a water supply from other sources in the vicinity, but, with our present knowledge, the problem resolves itself into two solutions:

(1) To take the supply from Sasaginaga Lake, providing a filter plant to filter the water during a portion of the year.

(2) To adopt Clear Lake as the supply, requiring about 3,000 feet more of supply main, with the pumping station at some suitable location on Clear Lake.

In our own opinion there are two important questions to be answered before the latter source should be adopted:

(1) Is the supply from Clear Lake sufficient for the present and for the future growth and expansion?

From what information we have before us the watershed supplying this lake is somewhat small, and certainly before deciding this question, its contributory area would have to be accurately surveyed and calculated.

(2) Would not the vegetable growths, as found in Lake Sasaginaga, most likely also occur in Clear Lake in sufficient quantities to make filtration of this supply necessary?

It seems reasonable to anticipate some trouble in Clear Lake from vegetable growths in the warm weather, and Dr. Amyot is of the opinion that the danger of possible pollution in this lake from mining companies would require filtration of the water. We are of the opinion, therefore, that no advantage would be gained by adopting Clear Lake as a source of supply, and that all things being considered, Sasaginaga Lake is the best supply to adopt from the standpoints of quantity and general service.

If it were thought, however, advisable to delay the final selection until some further observations of these lakes could be made after the ice is off, this would not necessarily delay the prosecution of the major portion of the construction of the work.

From the accompanying plan it will be seen that either supply will be brought to town by practically the same route, and that from the standpipe in, the work is identical in both systems. If desirable, this portion could be proceeded with, without delay, and in the meantime, some further investigations relative to the supply could be made. We feel, however, that further information would confirm the opinion as given above.

In the estimate of cost following, provision is made in one case for the filtration plant, and also for the additional cost of bringing the water from Clear Lake. From this it will be noticed that the relative cost is very nearly the same. It may be added, however, that if a sufficient supply of suitable unfiltered water could be procured at all times from Clear Lake, it would in that case be the more economical one.

ESTIMATED COST OF WATER WORKS.

Sasaginaga Lake Supply.

2,000 feet of 10-inch supply main	$ 4,700 00
2,300 feet of 8-inch distribution main	5,575 00
6,100 feet of 6-inch " "	13,785 00
900 feet of 4-inch " "	925 00
2 10-inch Valves	60 00
6 8-inch "	120 00
14 6-inch "	210 00
21 Fire hydrants, set	1,400 00
Standpipe, 25-feet dia. x 50-feet high	4,500 00
Duplicate Motor Turbine Pumps	4,000 00
Intake Piping well, discharge, etc.	1,600 00
Pump house foundations, etc.	2,225 00
	39,100 00
Filtration plant at Lake Sasaginaga	7,000 00
	46,100 00
Add 10% for engineering and contingencies	4,610 00
	$50,710 00

Clear Lake Supply.

Additional supply main if unfiltered Clear Lake water is taken	6,000 00
General system	39,100 00
	45,100 00
Add 10% for engineering and contingencies	4,510 00
	$59,610 00

The accompanying plan shows the general design of the system indicating the location of mains, hydrants, valves and all other appurtenances. The system as proposed will give an adequate fire service all over the built-up portion of the town, with a maximum efficiency in the present business portions of the community.

Sewer System.

In gathering the data necessary for the proper consideration of the drainage of the town, we made an investigation of the present 10-inch sewer which was laid for the purpose of carrying off surface drainage. Our enquiries and inspection of this indicate that as portions of this drain are laid without cement joints, and also without regard to the needs of house drainage, it would not likely be satisfactory as a sanitary sewer. Furthermore, as the conditions at the outlet make it necessary to adopt some means of purifying the raw sewage, it is considered advisable for many reasons to keep the house sewage separate from the surface water. We therefore propose to keep the present sewer for storm water and surface drainage only. To serve this purpose, additions can be made to it from time to time when required, with such additional catch basins as may be needed for street drainage.

The main drainage system or sanitary sewers, as shown on the accompanying plans, are designed to serve the present built-up portion of the town, which will also have the advantage of water mains. The sewer levels are so arranged that future additions can be made when required. With some few exceptions all the buildings of the present settled portions can be drained into the system. The main drain follows the lowest part of the valley running through the town, thereby serving the deepest cellars and keeping the excavation principally in earth work. To attain this much desired condition. it has been found necessary to cross the building lots in four places as shown on the drawing. If properly arranged between buildings this should not inconvenience anyone after the sewer is once laid.

Satisfactory grades have been obtained in all the sewers, sufficient to maintain good cleansing velocities of flow, all of which tend to satisfactory operation and maintenance.

Disposal Works.

We have interviewed Dr. Hodgetts, Secretary of the Provincial Board of Health, with reference to this important matter, and after considering the conditions under which the sewage will be discharged at the outlet, we understand that some efficient method of sewage disposal will have to be adopted in connection with the general drainage system.

The accompanying plan shows, and the estimate provides for a complete sewage purification plant, consisting of liquefying tanks with appurtenances, and percolating filter beds. It is not likely that the Board of Health will insist upon the installation of the complete disposal plant at first. If it is understood that the Corporation are willing to meet the requirements of the Board of Health to extend the plant when such is found to be necessary, probably the tanks will be considered sufficient to start with. This will reduce the amount of appropriation required by over eight thousand dollars. After the sewage system comes into general use, and the daily flow becomes of such proportion that bacteria beds will be required to prevent the pollution of the creek, these can be added in sections to suit the requirements which can then be accurately estimated.

This part of the system can be conveniently located in the territory near the athletic grounds, where the contour of the ground and the general conditions will facilitate the proper and economical construction of this part of the work. The effluent or purified sewage will be discharged into the creek.

THE ESTIMATED COST OF THE SEWER WORK.

(1) 2,820 feet of 12-inch sewer outfall	$ 3,907 00
(2) 650 " 10-inch sewer	1,085 00
(3) 757 " 9-inch "	3,795 00
(4) 3,536 " 8-inch "	10,311 00
(5) 850 " 6-inch "	1,377 00
(6) 30 Manholes	1,600 00
Sewage disposal plant—Tanks	4,350 00
—Filters	8,650 00
	35,075 00
Add 10% for engineering and contingencies	3,507 00
	$38,582 00

In conclusion we may say that before any contracts for excavating and trenching are made, it would be advisable as soon as the snow is off to make a re-survey of the locality for the purpose of making borings to locate the depth of rock below the surface at all points. This will be necessary to enable contractors to bid intelligently on the work.

In the meantime, contracts for all materials, piping, etc., should be let at an early date if the work is to be prosecuted to a conclusion in the coming summer.

REPORT UPON WATER WORKS FOR THE VILLAGE OF BURLINGTON.

BY WILLIS CHIPMAN, C.E.

In July, 1902, I was consulted by the members of a Citizens' Committee respecting Water Works for the Village, and gave the Secretary of the Committee, Mr. F. B. Bennett, an outline of the system that I would recommend for adoption, and an

approximate estimate of the cost. Nothing further appears to have been done in 1902, nor from that date to this year. Early in May, 1908, I was engaged by the Council to prepare a proper report, with an estimate of cost. The necessary field work was completed by my assistant in May.

Topography.

The Village is located on the north shore of Lake Ontario, 32 miles west of Toronto, and seven miles east of Hamilton, by rail. The northerly end of Burlington Beach adjoins the westerly limit of the Village. Along the Beach passes the main highway to Hamilton, G. T. R. freight line, Hamilton Radial Electric Railway, and two Electric Transmission Lines, all of which also pass through the Village.

The elevations are such that good surface drainage can be provided, and it is not expected that the trenching for pipe-laying will be difficult. Shaly rock underlies the clay and sand along the lake shore, and it is possible that some rock may be struck along Water Street.

Immediately west of the Village is the "Brant House," a well-known summer hotel, and on the "Beach" there is a continuous row of summer cottages.

The central part of the Village is compact, but there are three long arms, Water Street extending northeasterly about a mile along the Lake Shore, Brant Street a mile north-westerly to the G. T. R., and the road along the beach over a mile southerly.

Population.

The population of the Village is now about 1,500, and the assessment about $450,000, but this is a low valuation. Although Brant Street North and Water Street East are not closely built upon, the majority of the owners will become water-takers. West of Hager Street (which is the Village limit) there is also a large suburban area that will require water. This area should be annexed to the Village as far west as the Halton-Wentworth Line. The residents now enjoy all the benefits of sidewalks, electric lighting, schools, etc., and they should contribute their share of the cost and maintenance to the Village Treasury.

All that portion of Burlington Beach north of the Canal should also, in my opinion, be annexed to the Village of Burlington.

Including the two areas mentioned, the summer population may be taken at nearly 2,000 people.

Quantity.

The quantity of water necessary to supply all the wants of a population of 4,000 people should not exceed 300,000 gallons per day. To this must be added something for municipal uses and leakage, or say 100,000 gallons per day, or about 300 gallons per minute in all

To comply with the requirements of the Fire Underwriters, two standard fire streams, throwing 200 gallons per minute, should also be provided for, making a total of 700 gallons per minute as the supply required. With a large storage basin or reservoir to draw upon for fire supply, it is quite probable that 200 gallons per minute would be ample for some years, but the works should be so designed that this supply may be supplemented at any time at a reasonable cost.

Sources of Supply.

Several sources of water supply have been suggested:

(*a*) Lake Ontario.
(*b*) Burlington Bay.
(*c*) Lake Medad.
(*d*) Wells and Springs.
(*e*) Burlington Beach.

The water of Lake Ontario, if taken from a point sufficiently distant to avoid shore pollution, would be an ideal water.

At Burlington, however, the entire drainage of the Village enters the Lake and the shore line is of such contour and the banks of such materials that the Lake becomes extremely turbid during gales. The expense of laying an intake pipe, or of constructing a tunnel from the shore line to a point where reasonably pure water might be secured, would be prohibitive.

Burlington Bay now receives the sewage from the City of Hamilton, with a population of about 70,000, and into the northerly end of the Bay, which is a shallow marsh, the Brant House discharges sewage.

This source of supply may be eliminated owing to the impurity of the water.

Lake Medab is a small sheet of water with an area of about 25 acres, lying in the Township of East Flamboro', and distant about 9 miles from Burlington. Its outlet supplies Waterdown Creek, and its elevation is probably about 300 feet above Lake Ontario.

Although the flow in Waterdown Creek may become less than 200 gallons per minute during the summer months, it might be practicable to store sufficient water by constructing dams, to maintain a larger daily flow.

It is doubtful if the pressure due to gravity would give a proper fire service, owing to loss from friction in the long conduit pipe, and there are no hills in the Village upon which to construct a service reservoir.

The conduit pipe would probably cost from $3,000 per mile, in the upper sections, to $6,000 per mile in the lower sections, and a large sum might be claimed by the mill owners along the stream below the lake.

Nothing definite is known as to the quality of the water, and no surveys have been made to determine the elevation of the lake, or the practicability of the scheme.

In my opinion, it is also beyond your present financial means.

There are no visible springs of importance within a reasonable distance of the Village, and there is no prospect of obtaining a water supply from deep drilled wells. A small quantity of water is found in pockets of sand and gravel above the rock surface, but this water is liable to surface pollution, and the quantity available would be entirely inadequate for a municipal supply.

In 1902, I was of the opinion that you should obtain your supply from wells or from galleries constructed on Burlington Beach. Upon my visit in May I discovered that the Beach Commissioners had adopted this scheme, and that a well was being sunk south of the Canal for supplying the Beach residents, and to give fire protection. I am informed that the pumping machinery is now being installed, and that the works will soon be in successful operation. At the time of my visit the water being pumped from the well was perfectly clear, although Burlington Bay was turbid. An elevated tank has been erected near the well and pumping station, and a line of cast iron pipes laid north to the Canal and south to the end of the Beach.

Fire hydrants have been set at proper points for fire service.

I understand that a pipe line about 2,000 feet long was laid northward from the Canal, as a part of the Beach system, but at present the connection across the Canal, which would be an expensive undertaking, has not been made. This pipe line should be supplied by your proposed Burlington Municipal System.

I am convinced that you can obtain an adequate supply of pure water at a reasonable cost from wells, and galleries constructed immediately north of the Halton-Wentworth Line, near where the O. E. D. Co. line crosses the G. T. R. Railway. The point selected should be south of the marsh on the Burlington Bay side, and as near midway between the Canal and the north end of Beach as possible.

One circular well, similar to the one sunk by the Beach Commissioners, may not give sufficient water. If not, a collecting gallery may be laid parallel with the Beach to a second well. The sand and gravel will so filter the water that it will be quite suitable and safe for all domestic purposes.

Pumping Station.

The pumping station should be constructed contiguous to the source of supply. The building should be fireproof, brick walls, and concrete foundations, with slate roof.

The machinery should be ample for maximum present requirements. Two Electric Power Transmission Lines pass the site of pumping station, and there can be no question that electric power should be adopted for pumping.

Reservoir.

The well or wells at pumping station will store a certain amount of water for fire purposes, but to permit the pumps being closed down during the night, and to be operated at their most economic speed during the few hours necessary to run them, it will pay to erect an elevated tank similar to the one erected on the Beach this season, or a cylindrical Water Tower, otherwise known as a standpipe. This structure should be erected near the centre of the village, or near Brant Street, north of Caroline. If erected near the Town Hall, the firemen could close the outlet valve to Tower, and thus permit direct pressure for fires. In many places in Ontario the pressure from the Water Tower is found sufficient for fires in low buildings, but for over three storeys the Tower should be cut off.

Although I have shown the Tower at the south-east corner of Brant and Maria it may be erected elsewhere.

Distribution System.

The accompanying plan shows the proposed pipe distribution system, location of fire hydrants, valves, etc.

The eight-inch force main is to be laid along the highway on the beach from the pumping station northerly to the intersection of Water Street and Sand Road, thence under the G.T.R. and along Water Street one block, thence northerly to Elgin, thence along Elgin one block to Nelson, along Nelson to Ontario, and along Ontario to Hager.

To this point the pipe line is entirely outside the limits of the village, and the route described may be altered without affecting the system or the estimate of cost.

From Hager Street the eight-inch pipe is to be continued along Ontario to Brant, thence north to Maria and south to Water Street, thence along Water to Pearl.

I propose to lay six-inch pipes on Water from Pearl to Torrance, on Elizabeth from Water to Maria, on Maria from Elizabeth to Brant, on Brant from Maria to Caroline, and on Water from Brant to Locust.

Four-inch pipes are to be laid on:—

Hager, from Ontario to Caroline.
Burlington, from Water to Ontario.
Locust, from Water to Caroline.
Pearl, from Water to Maria.
Water, from Torrance to Guelph.

This gives a total of 24,000 lineal feet of piping, comprising:—

11,000 feet of 8-inch.
4,700 feet of 6-inch.
8,300 feet of 4-inch.
53 Fire Hydrants.
2 Street Sprinkling Cranes.
37 Gate Valves.

The pipes should be laid at sufficient depth to give a covering of four and one-half feet.

It has been proposed that the mains be extended on Brant from Caroline to the G.T.R. Station, or to the northerly limit of the town.

The distance to the former from Caroline Street is 5,300 feet, and to the latter 6,000 feet. I cannot advise you to lay this main unless the immediate revenue to be derived from water-takers along the line will exceed the interest and sinking fund on the cost.

Grand Trunk Supply.

The Grand Trunk Railway obtains its supply from a curbed well sunk in the sand and gravel at the north end of Burlington Beach. The water is forced by steam pump through a six-inch cast iron main about 8,500 feet in length to a standard tank erected on the south side of the track east of the Junction Station, and east of the road to the station.

The rail at the station has an elevation of about 80 feet above Lake Ontario and 41 feet above the intersection of Brant and Caroline.

If the Railway Company should desire to take water from the village system, the G.T.R. pipe line could be utilized, the supply being delivered to the Company at a meter house to be constructed near their pumping station, or a new pipe laid on Brant northerly from Caroline. No proposition should be considered for supplying water to the railway or to other large consumers otherwise than by meter, and in each case a minimum charge should be demanded.

Cost.

I estimate that the proposed system of water works will cost as follows:—

Well and Gallery	$ 2,500	
Pump House	2,000	
Pumping Machinery	3,500	
		$ 8,000
Water Tower	$ 4,800	
Foundation	1,200	
		6,000
Distribution System—		
400 tons pipes	$13,400	
Special Castings	600	
Hydrants, Valves, etc.	3,000	
		$17,000

Labour laying 24,000 feet pipes, setting valves, hydrants, etc.	7,000
Services and Meters	1,500
Printing and Advertising	500
Engineering	2,000
Total cost	$42,000

If the main be extended on Brant to the Grand Trunk Railway from Caroline Street, the above estimate should be increased by $4,000 if four-inch pipe be laid, or by $5,200 if six-inch be adopted.

The items for services, meters, engineering and sundry expenses are frequently omitted from preliminary expenses of cost, but I believe that they should be included.

Revenue and Expenses.

The revenue from your water works system from domestic consumers alone will pay the operating expenses after the first year. The interest and sinking fund charges will be offset by the decrease in the insurance premiums, although these sums must be collected annually by general taxation. There is also the added security from fire loss, which applies to residences as well as to places of business, hotels, factories, etc., and there can be no doubt that the installation of a water works system will attract desirable residents and profitable industries.

You will find upon enquiry that water works systems invariably pay a handsome profit within a few years after completion, and that when intelligently operated they become the most valuable of a town's assets.

REPORT *RE* BURLINGTON WATER SUPPLY.

By Dr. R. W. Bell, Medical Inspector.

On March 5th, by the request of your Secretary, I visited Burlington, to look over the proposed source of water supply. With Mr. Springer, Village Clerk, I went to location on the sandbar forming Burlington Beach, about a mile distant from the village. This bar varies about 100 to 300 feet in width, and along it runs a line of the G. T. Railway, an electric railway and an ordinary roadway. Along either shore of the beach there is a continuous row of cottages, frequently not more than 10 to 20 feet apart, and all provided with shallow pit closets in the sand. These cottages, although vacant most of the year, are occupied for three or four months in summer by a large number of persons. Under these conditions the water along the shore line is likely to be considerably polluted. I might here also mention that the sewage of the village is also discharged into the lake, and that, I am informed, the natural current will carry it along the beach shore—this, however, being varied by the winds.

It is proposed to sink wells or water galleries in the sand on the Lake Ontario side of the beach, into which the lake water would flow, at a point about 2,000 feet north of the canal cut into the bay, and about a mile and a half distant from the centre of the village. This is what the plan submitted indicates, although Mr. Chipman, C.E., in his specifications, at one place says:—"The point selected should be south of the marsh on the Burlington Bay side"—evidently an error. While in another clause, referring to Burlington Bay, with its Hamilton and Brant sewage, he says:—"This source of supply may be eliminated owing to impurity of the water."

With varying winds the water will at times be very turbid, but may be cleared of most suspended matter by filtration through the sand, but I fear the results from closet and garbage pollution.

This appears to be about the only available source of supply within the means of the municipality. The beach with the cottages is all outside the village.

If it is deemed expedient to approve of the source and method of obtaining the supply mentioned, I would suggest that the village of Burlington be required to annex the beach as far as the Halton-Wentworth boundary, a short distance beyond the proposed wells, so as to control the sanitary surroundings, then to abolish all pit closets and require boxes with the dry earth system to be used, and have these cleaned and all other garbage removed by a *civic* scavenger sufficiently often to prevent any possibility of water pollution.

REPORT ON PROPOSED MARKDALE WATER WORKS SYSTEM.

By Charles H. Mitchell, C.E.

Under instructions from the Municipal Corporation of the Village of Markdale, I beg to submit to you the following report on the water works system proposed to be installed by the village. This report accompanies an application now being made by the village for the approval of your Board of the proposed source of the water supply and other features in which your Board is interested:—

The Village of Markdale.

Markdale is situated in the County of Grey, on the Canadian Pacific Railway. The Saugeen River passes about a mile north-west of the village, and a small branch of the same, which in this report I call "The Creek," passes through the south-westerly edge of the village. The population is about 1,200. The village has a distributing point for a surrounding farming community, and its people are engaged mostly in trade for that purpose. There is a small amount of manufacturing done, but such is only incidental to the immediate locality, and a small furniture factory recently built, largely by bonus of the village, has not yet commenced operation. The stores, public buildings and houses are largely brick and of a very substantial nature.

Topographical Features.

The village is built upon rising ground, the soil of which is gravel, and rock underlies the principal business portion at a depth of about 40 feet. This business portion is about 50 feet above the level of the Creek, and the highest point (near the school) is about 90 feet above the Creek.

Present Water Supply.

The water now used by the village is entirely from wells, most of which are driven into the rock and from which apparently very good water is obtained, although of a hard variety. There are several private windmills pumping these wells. A number of families are usually served from each well by ordinary pumps.

There is no means at present for disposal of sewage, except through a shallow drain built from the central business portion down through Argyle Street to the lower ground, near Lorne Street, whence it sweeps away through the soil taking a direction westerly toward the Saugeen.

Proposed Water Works System.

A by-law was passed by the ratepayers in May last authorizing the raising of $20,000.00 by debentures for the construction of the water works system.

The system proposed is for both domestic and fire purposes, and will consist of pipes varying from six or eight inches down to two inches in the smaller distributories. The general source of supply will be the Creek valley, water being obtained therefrom and pumped to a stand-pipe or elevated tank on hill near the school. It is thought a few hours' pumping each day will be sufficient, except in cases of fire. The amount likely to be used per day will for some years not exceed 50,000 gallons, and the capacity of tank is arranged for this amount.

Sources of Supply.

The Creek rises about three miles to the east of the village, and is fed entirely by springs and other underground sources; these are evident throughout the valley at many points. The land in the immediate Creek valley throughout the whole distance is still wooded with cedar and other soft woods, and the land adjoining and in the district is a sparsely-settled farming district of rolling ground with considerable bush land.

The Creek for a mile above Main Street is a well-defined stream or series of streams averaging a water channel about thirty feet wide and a foot deep, flowing about 200 gallons per second under normal conditions. This is merely the visible surface flow, and I have no doubt there is a very large underground flow through the gravel forming the bed of the Creek. The water is very clear and of uniform temperature; cold in summer, and warm in winter. It may be noted that this stream has been for many years past a trout fishing locality.

Immediately above Main Street a mill pond exists, caused by a dam about five feet high. About 600 yards down from Main Street is a second dam about twenty-five feet high forming a considerable mill pond which supplies a grist mill owned by one Baird. Surrounding the latter mill pond is considerable bush land, particularly on the north-east side, and that portion immediately below Main Street has a fine grove of cedar, etc., extending for about 200 yards.

Analysis of Water.

In November, 1907, a gallon sample of water was carefully selected from the Creek immediately below Main Street after passing over the dam. This was surface water from the Creek, and was selected without regard to locality. The sample was sealed and delivered to the laboratory of Professor J. W. Bain, of the engineering faculty of the University of Toronto, under whose direction the chemical analysis was made by Mr. E. Forster, B.A.Sc., a copy of which I enclose herein. I have no doubt that the water taken from the gravel bed below the Creek would show a chemical analysis even more favourable as a potable water.

Proposed Intake and Pump House.

The Corporation is anxious to purchase the Baird Mill and adjoining property extending from Main Street down stream along the Creek to and including the grist mill and dam, so as to permit the installation of a pump alongside the grist mill to be operated by water power therefrom. One of the principal advantages in this, as viewed by the village, is the cheapness of pumping and the arrangement whereby an attendant, who would ordinarily operate the mill, would be alongside the pump at all times, and thus be on instant call in case higher pressure for fire services were required.

With this in view, the village desires to collect water by means of a well alongside the Creek in the woods, about 200 yards down stream from Main Street, as indicated on plan, and convey the water therein collected by means of a wooden or earthenware pipe laid alongside the mill pond to the mill, there to be pumped and returned through the iron pressure mains to the village and tank.

It is proposed to sink a circular steel curbed well about eight or ten feet diameter into the gravel bed alongside the Creek, the bottom of the curb to be about six or eight feet below the level of the water in the Creek. The well will have no bottom, but will be entirely open to the underground flow through gravel bed, and it is expected that a sufficient supply of water will be obtained through the interstices of the gravel to supply the demand with a velocity through the interstices not exceeding five feet per minute with draft due to full capacity of pump. The top of the well would be carried, say, a foot above ground surface, and covered by a metal roof with a ventilator. The water for the pumps would be tapped out of the well about four feet below ground surface and, say, three feet below Creek surface.

The Corporation will desire to have an emergency connection between the pump and the mill pond, so that in case of fire or other emergency demand, if the ordinary source was out of order or insufficient, water could be temporarily pumped from the Creek itself.

On the west side of the Creek the nearest houses to the well site are farm houses on the hills, one being about 300 yards and another being about 500 yards distant; on the east side (towards the village) one house is about 250 yards, the new furniture factory about 500 yards, and a small tannery about a quarter of a mile distant. These are direct distances.

If the foregoing location does not find favour with the Board, I might point out that there is a possibility of securing a site at a point 500 yards up stream from Main Street, alongside the Creek, on lands owned by the County of Grey, whereon a well similar to that described might be sunk and the water piped from there down to the grist mill site, a total distance of about 1,100 yards, or nearly two-thirds of a mile. It is obvious that the large additional expense in this scheme is to be avoided by the village if possible, as in addition to the cost of construction they would also require to obtain additional land.

Probable Future Conditions.

The proposed system, as outlined at present, should be sufficient for this village for a period of at least fifteen years to come, provided necessary small extensions are made. It is not likely that the sources of water supply would be seriously interfered with in that period of time, as the conditions surrounding the village and adjacent farming community are now pretty well established.

It is likely, however, that shortly after the installation of water works the village will require a system of sewerage of a simple and inexpensive nature. The natural outlet according to the topography would be toward the Saugeen trending to an outlet below (westerly) the Baird grist mill, to arrive at which access would probably be required through private farm lands.

REPORT *RE* MARKDALE WATER SUPPLY.

By Dr. R. W. Bell, Medical Inspector.

By instructions of your Secretary I proceeded to Markdale on March 6th inst., and with Mr. McFarlane, Reeve, Mr. Matthews, Chairman of the Water Works Committee, and Dr. Ego, I visited the proposed source of supply suggested in the specifications and plans furnished your Board.

The supply from the Creek shown, I think, would be ample, but there is considerable danger from contamination at the point indicated for placing the well—on the bank of the lower mill pond—perhaps not so much from the main portion of the village, although the slope is generally towards it and to the Saugeen River a little north-west, as from a couple of manufactories now in close proximity to the pond and about 200 yards above the proposed well. One of these is a tannery—small, to be sure—but still draining into the Creek. It is also the hope of the citizens that with a water supply to offer for domestic and fire purposes, other factories may be induced to locate here, and the most probable sites for them will be close by the Creek, and so furnishing further pollution.

The soil is a coarse gravel, which would have little effect in clearing the water filtering into the well. The water, if taken from this same stream about 700 yards further up and above the village, would, I think, prove quite satisfactory, as it would be beyond all probability of pollution, and only involve the additional expense of the wooden pipe and laying, the same pumping station proposed being used.

With this change in the location of the intake well, I can, from a sanitary point of view, recommend the approval of the scheme proposed.

REPORT ON WATER WORKS SYSTEM FOR TOWN OF RAINY RIVER.

By James A. Bell, Consulting Engineer.

I have carefully looked over your town with a view of recommending for your approval the installation of a system of water works for domestic use and otherwise in accordance with instructions to that effect. The result of my examination is as follows:

I find that the only available source of supply is the Rainy River. Some water can be obtained by sinking wells, but the water from that source is so hard that it is not adaptable for domestic use; and again, it is very improbable that a sufficient supply could be obtained in that way. I would, therefore, recommend that the water be taken from Rainy River on the easterly or upper side of your town. The point I have selected for the pump house would be on parcel 14, above Rainy River Mill, the suction pipe to extend about two hundred feet into the river, with a bell mouth screened intake, and protected by piling. I think the chances for contamination at this point are less than at any other location within reasonable distance. From this point the main supply pipe, eight inches in diameter, would extend north to Atwood Avenue, and thence westerly with branch lines of 6-inch and 4-inch pipe from this main, laid out as shown on accompanying plan. My estimate includes all necessary valves, boxes and hydrants. It also includes the erection of a pump house and the installation therein of two gasoline pumps, each having a capacity of 500 gallons per minute, to be capable of pumping together or separately, one air compressor and two pneumatic tanks, each tank having a capacity of 15,000 gallons, or a total of 30,000 gallons. About 20 per cent. of this quantity would be taken up by compressed air. Of the remainder, from 12,000 to 15,000 gallons would be available in case of fire, with sufficient pressure, and for domestic use you could count on 16,000 to 20,000 gallons. This would be the condition after the tanks were sufficiently filled and the air pumped in.

This installation would be a good deal cheaper than the erection of an elevated tank, and be equally as serviceable to the capacity mentioned above.

The pump house would be large enough to contain the pumps, compressor and tanks, and it would have to be heated in winter time.

My estimate of the cost of the works is as follows:—

Street Mains.

5,960 feet of 8-inch at $1.50	$8,940 00
7,000 feet of 6-inch at $1.20	8,400 00
1,600 feet of 4-inch at $1.00	1,600 00
Special castings	600 00
Valves and boxes	500 00
28 Hydrants at $50.00	1,400 00
Suction—200 feet at $2.50	500 00
Bell mouth inlet	20 00
Protection piles to suction	100 00
	$22,060 00

Pumping House and Machinery.

2 Pneumatic Tanks, capacity 30,000 gals.	3,000 00	
1 Air Compressor	450 00	
2 Pumps	3,500 00	
Foundations	500 00	
Building	1,000 00	
Land	500 00	
Engineering and contingencies	1,190 00	
		$10,140 00
Total estimated cost		$32,200 00

REPORT UPON WATER WORKS, VILLAGE OF WESTON.

By Willis Chipman, C.E.

Immediately after receiving your instruction, dated September 22nd, 1908, I visited Weston, and at different times examined the several proposed sources of water supply and went over the streets of the village. I now beg to report as follows:—

Population.

The village is located on the main line of the G.T.R. and C.P.R., eight miles northwest of the Union Station, Toronto, and on the east bank of the River Humber.

The population is now given as 1,600, and the assessed valuation at $560,000. Within the last five years a large number of residences of the better class have been erected, and if modern conveniences could be secured I have no doubt that your population would be doubled within ten years.

Several important manufacturing establishments have also been erected at Weston within the past two or three years, and, owing to your excellent railway shipping facilities and the cheap sites available, other factories may be expected, but manufacturers will hesitate to do so unless you can give them fire protection for their property, and essential home conveniences for the health and comfort of the families of their workmen.

Within the limits of Weston are several large blocks of choice residential property that only require water works, sewers and sidewalks to give them a reasonable market value.

Topography.

The Humber River at the G.T.R. bridge is about 150 feet above Lake Ontario, and in flowing through the village it falls about 30 feet, the bed being rock lying in horizontal strata. The main street of the village, which follows in a general way the easterly bank of the river, has an elevation of 40 to 60 feet above the River.

The greater part of the built-up portion of the village drains to the river, but more than half the area within the village limits drains easterly to Black Creek, that approaches within a few yards of the easterly boundary.

The soil varies from clay to sand of such depth that it is not expected that any rock will be met with in excavating for water pipes or sewers.

Quantity.

The quantity of water necessary for a population of 1,600 people should not exceed 120,000 gallons per 24 hours, but to this must be added something for water used for street sprinkling, leakage in mains, etc., or say, 80,000 gallons per day, making a total of 200,000 gallons per day, or about 140 gallons per minute.

If all the water services be metered the domestic consumption would not exceed 70,000 gallons, which, with the municipal demand, would make 150,000 gallons per day, or about 100 gallons per minute.

In my opinion, however, your supply should be sufficient for 4,000 people at least; that is, a daily domestic supply of 300,000 gallons if unmetered, or 120,000 gallons if metered. Allowing 120,000 gallons per day for municipal uses gives 420,000 gallons per day, or about 300 gallons per minute if unmetered, and 240,000 gallons per day, or about 160 gallons per minute, if metered.

I have allowed nothing in the foregoing for supplies to railways and large factories, which frequently demand large quantities, generally at extremely low rates.

It is a question to be carefully considered as to what extent you should tax the ratepayers of the village to construct a water works system for supplying water to factories, railways, etc. Many towns are to-day giving water to factories, etc., at the cost of pumping, the citizens paying interest and sinking fund on the cost of works.

This no doubt attracts factories, but it is nothing more or less than a bonus.

To comply with the requirements of the fire underwriters, two standard fire streams of 200 gallons per minute must now be provided for, and, when the population reaches 4,000, four streams. With a large storage basin or reservoir to draw upon, nothing more than the average daily domestic supply will be required, but the pumping machinery should be of sufficient capacity to give 400 gallons per minute at least over and above the domestic demand.

Sources of Supply.

Several suggested sources of water supply for the village have been examined, of which the following will be described:—

(1) Humber River.
(2) Black Creek.
(3) Springs south of Weston.
(4) Springs near Edgely.
(5) Wells.

During the most extreme drought the flow in the river would be sufficient for the requirements of a city larger than the city of Toronto to-day. The watershed of the river above Weston has an area of over 300 square miles, mostly agricultural lands. Part of the watershed lies in the "Ridges," from which the fall is rapid towards Lake Ontario. Remnants of the original forests are to be found throughout the broken ridges, but there are few, if any, large swampy tracts, and no lakes or large ponds within the watershed.

The largest village above Weston on the Humber is Woodbridge, some eight miles distant. Kleinburg, thirteen miles above Weston, and Bolton, eighteen miles, are small villages.

The river is subject to great variations in volume during the year, the maximum flow being many times the average flow, and during high water it is extremely turbid. All heavy rains also carry into it the surface drainage from tilled farms, roads and farmyards.

It is evident that the river water must be more or less polluted at all times, but such pollution is less dangerous than sewage contamination, and can be easily removed.

Black Creek in dry weather has a flow of about 500,000 gallons per day. During rains and freshets it carries innumerable quantities of suspended matters, but in the dry season it is fed from springs, and is comparatively clear. If it were in a state of nature it would give an ideal water supply, but practically the entire watershed has been cleared, and a large percentage of it is tilled land.

There would, in my opinion, be little choice as to quality between the Humber River and Black Creek.

The volume of the Creek would probably be quite sufficient for the immediate future requirements of the village if large manufacturers and railways were not to be supplied.

The small brook that discharges into the Humber from the eastward, at the Scarlet Road bridge, drains a level tract of low land of about acres area, surrounded on three sides by a plateau at about one hundred feet higher elevation. This low area is now largely waste land, part timbered, part tilled, and part too wet and boggy for cultivation. The brook is fed largely by springs that flow from the base of the plateau.

At the time of my inspection on October I estimated the flow of the brook at 130 gallons per minute, or about 185,000 gallons per day.

By purchasing the greater part of the low area it would be possible to store the spring freshet run-off, and thus increase the flow in the dry season. I would hesitate to advise you to adopt this brook as your source of supply owing to the deficient quantity. There can be little doubt as to the good quality of the water. It is to be regretted that there is not a greater quantity available.

Subterranean galleries in this area might yield a sufficient supply, but this could only be determined by expensive experiments; but to avoid future contamination and trouble from owners adjoining it would be necessary to acquire the greater part of the land within the low area.

The springs at Edgely were inspected, and found to be a large number of small springs that unite to form Black Creek.

It might be possible to construct a gravity system of water works for Weston, with these springs as a source of supply, but it would be an expensive system, owing to the length of conduit required, and for fire service pumping would be necessary. The volume of flow from the springs would not, in my opinion, exceed the flow in the spring brook at Scarlet Road Bridge.

After considering all the data produced respecting wells drilled in the vicinity of Weston, I am convinced that the chance of securing a water supply from wells would be highly improbable. In no instance has a large supply been struck in drilling for farmers, factories, etc., and in some cases the water has been unfit for domestic uses. If, however, you decide to sink a well as an experiment, I would suggest that it be sunk in the river valley west of the Electric Lighting Station.

Source Recommended.

Within a few years I believe that a number of factories will locate at Weston, provided you are in a position to give them fire protection and water for manufacturing purposes. I am, therefore, reluctantly forced to the conclusion that the River Humber should be selected as your source of supply, with the full knowledge that the water must be purified before it can be safely used for domestic purposes.

Owing to its turbidity during certain months of the year, sedimentation basins or reservoirs will be necessary to remove the sand and mud, after which filtration will further purify it.

Sedimentation.

Sedimentation basins such as proposed have been constructed in several cities and towns in Canada, including St. Catharines, Chatham, Thorold and St. Thomas, in the Province of Ontario. At Chatham the polluted water of the River Thames is pumped to a sedimentation basin, from which it is forced through mechanical filters into the city distribution system. The results at Chatham have been eminently satisfactory. The double pumping slightly increases the first cost and the operating expenses. For many reasons mechanical filters are, in my opinion, to be preferred to slow sand filtration for the water supplies of towns and villages in this latitude.

System Proposed.

I would recommend that the following system be adopted:—

Erect a pumping station on the easterly bank of the river above the village above St. Alban's School site, the water supply to be taken directly from the river and pumped to a sedimentation basin to be constructed adjoining the pump house site. From this basin the water to be pumped through mechanical filters into the pipe system, and an elevated tank or water tower to be erected, on the highest ground in the village, of such capacity that the machinery may be operated at its most economical capacity.

Pump House.

This structure should be of such dimensions as will permit of the installation of the pumping machinery and filters, and it is an advantage if it can be built of sufficient size for a duplicate pumping engine.

I propose a building with brick main walls on concrete foundations.

Machinery.

If steam power be adopted, two boilers should be installed and two pumping engines, one for pumping to the basin, the second for pumping into the pipe system, but so arranged that either may be used for either service. Compound duplex engines are the best suited for this service.

If electric power be adopted, the first cost would differ but little from the steam plant, but the building would in this case be smaller, as no boiler-house or chimney stack would then be necessary. The decision as to which power should be adopted will depend upon the cost at which electric power can be contracted for.

Water Tower.

I propose that a water tower or standpipe to contain about 100,000 gallons be erected on the high ground immediately north of the northerly end of North Station Street. This elevation will give a reasonable domestic pressure. For fire service the tower inlet pipe may be instantly closed from the pump house by closing an electrically operated switch, and direct pressure given by the pumping machinery.

The water tower will permit the machinery to be closed down at night, and for many years it will only be necessary to operate it a few hours out of the twenty-four. No small water works can be economically operated without a tower or elevated storage tank.

Distribution System.

The general plan that accompanies this Report shows the pipe system proposed.

From the pump house a main is to be laid to the main road, thence south-easterly along the main road to the G.T.R. subway.

I have included the following streets in my estimate of cost:—

Street.	From.	To.	Length.
Force Main	Pump House	G.T.R. Subway	2,800 feet.
Main	G.T.R.	Church	2,400 "
Main	Church	Denison	5,200 "
Cross	Church	Colter	750 "
George	Church	King	1,200 "
South Station	John	Southerly	300 "
North Station	William	King	800 "
North Station	King	Water Tower	1,700 "
Church	Main	George	650 "
King	George	Elm	1,550 "
Maria	North Station	Elm	800 "
John	Main	Elm	1,400 "
William	North Station	Elm	450 "
Dufferin	Main	Westerly	700 "
Sykes	Main	Westerly	450 "
Denison	Main	Westerly	550 "
Denison	Main	G.T.R.	500 "
Denison	G.T.R.	Easterly	1,000 "
Hydrant Branches			400 "
Total			23,600

When the streets upon which mains are not now shown are sufficiently built upon, the extensions of the system will become necessary, but I cannot recommend you to lay a pipe line when the revenue to be derived from consumers will not immediately warrant the expenditure.

Cost.

I estimate that the proposed works will cost as follows:—

Land and Right-of-Way	$ 500
Intake into River	500
Pump House	3,500
Pumping Machinery	6,000
Sedimentation Basin	3,000
Filters and Filter Room	7,000
Pipe Distribution System	25,000
Water Tower	6,000
Services (100)	2,000
Sundry Expenses	500
Engineering and Superintendence	3,000
Total	$57,000

This total corresponds very closely with the amount expended for water works at Bridgeburg, Grimsby, Port Elgin and Oakville, taking into consideration the population and assessed valuation of the places, with this exception, that in Weston the cost of filters and filter house is an addition of $7,500.

REPORT ON GUELPH SEWAGE DISPOSAL WORKS.

By F. L. McArthur, City Engineer.

The sewer farm is situated just outside the city limits, in a south-westerly direction, along the Speed River, and contains in all about fifty acres of land. Nearly half of this area is good soil, and covered with scattered trees, while the remaining portion, farthest from the river, is rough and rocky. The river opposite the disposal works is about sixty feet wide, with an average depth of two feet six inches.

The septic tanks, as shown on the plans, have already been constructed, and are now in operation, giving splendid results. They have a joint capacity of 240,000 gallons. The flow of sewage reaching these tanks about mid-day is approximately at the rate of 1,250,000 gallons per twenty-four hours. There are now about 800 buildings connected with the sewer system. Assuming six people to each building, using 100 gallons per capita, this would represent 480,000 gallons of domestic sewage per day of average strength, or, at the outside, 500,000 gallons. It is evident, therefore, that more than half the flow of main sewer represents sub-soil water which finds its way into the system. I am satisfied that by gauging the flow accurately at various points, the leakage can be located and most of the sub-soil water diverted from the sewer.

The proposed filter beds, eight in number, will have a joint area of 4.63 acres. Each bed is to be a rectangle 210 feet long and 120 feet wide, and the filter material will be three feet deep, composed of three layers. The bottom course will be of screened gravel six inches deep. The idea of the gravel being screened is to make the drainage as nearly perfect as possible. The second course is to be of coarse sand and gravel two feet in depth, and the top course six inches of coarse sand. The main effluent drain will be of twelve-inch sewer tile. The branch lines to be of four-inch field tile and placed twenty feet apart.

The sewage will flow from the septic tanks by means of gravity through a main which passes along the embankment, separating the two rows of filter beds. Valve chambers will be situated along this main, one opposite each pair of beds, by means of which the sewage can be turned upon the different beds. A trough leading from the valve chamber out on to each bed distributes the flow evenly over its surface.

The filtrate will be collected by the under-drains, and discharged into a small creek which leads directly to the river.

The three embankments running nearly parallel to the river will be each twelve feet wide on top, with side slopes of one and a half to one. The one next the river will be constructed so as to act as a dam to keep back the river water in case of an extreme spring freshet. The embankments running nearly at right angles to the river and separating the filter beds will be six feet wide on the top, with side slopes of one and a half to one.

The small stream into which the filtrate is discharged may be easily diverted, and the land used for the construction of more filter beds should they be required.

REPORT ON SEWAGE DISPOSAL FOR PALMERSTON, ONT.

By John Galt, C.E.

In accordance with your instructions received in December, 1908, I have made a study of your local conditions in respect to an efficient sewage disposal system for Palmerston, and after investigating the subject thoroughly, both as to present conditions and with a view to possible future necessities, I beg herewith to present my conclusions and recommendations, accompanied by complete plans, illustrating my ideas and proposals.

Local Conditions Bearing on the Problem.

It will be in order to state briefly the situation at Palmerston and the local conditions, which have a bearing on the question of sewage disposal.

The population, according to the latest Government return, is 1,948. Local authorities estimate it to be somewhat larger than this, but for all practical purposes it may be taken as about 2,000.

The town is served in part by a sewer system constructed of about 9,000 feet of vitrified tile pipe, ranging in size from twenty inches diameter on the main outfall to ten inches diameter on residential streets.

The system is designed to take both house sewage and a certain amount of surface drainage, but up to the present time it has been used chiefly for cellar drainage, and for the purpose of draining surface water from the low-lying portions of the town site.

I have also found that 95 houses are at present contributing sink waste to the sewers, and the drainage from the G.T.R. shops and round house is also delivered to the sewers. About 30 catch water basins are provided on the streets to take surplus water during rains.

The various manufacturing concerns, viz., O'Mara's pork factory, L. H. Clark's malt house, Watt's oatmeal mill, and Meyer's flour mill, do not use the sewers, and, owing to lack of necessary fall, it is not likely that they will use them. Their drainage is now taken off in a northerly direction, and I therefore do not think it will be necessary to consider the presence of trade waste in the sewage, except that received from the G.T. Railway's round house and shops. This latter will probably carry very little waste matter, being largely the result of boiler washings very much diluted and having a certain amount of waste oil in it.

Palmerston is now supplied with a water system, comprising about 15,500 feet of water mains, which extend over the greater part of the built-up portions of the place. From the above it will be noted that the water mains cover about 70 per cent. more territory than the sewers at the present time, and it is to be expected that the future extensions of the sewers will be in the territory now served by the water works.

The outlet of the sewer discharges into a small stream which runs through a flat, marshy valley for three miles, to the point where it empties into a branch of the Maitland River.

The grade of the sewer outlet is only one and a half feet above the level of the water in this stream, and there is no natural fall at this point or elsewhere along the stream sufficient for the operation of complete sewage works. This will, therefore, have to be provided as explained later in this report.

Population to be Provided for.

This point was carefully investigated, and it was found that the sewers now laid serve 206 houses containing a population of 804 persons.

The territory served by both water mains and sewers has in it 269 houses and 1,137 people.

As previously stated, the extensions of the sewers will undoubtedly follow the water mains as at present laid, and it will likely be some years before this whole territory is sewered.

In my present judgment, therefore, I consider it will be sufficient at the present time to provide sewage disposal works of a capacity ample for 1,200 of the population, due allowance being made for the additions to the sewage flow resulting from the G.T.R. waste, storm water and surface drainage.

Quantity of Sewage.

By gaugings made at the mouth of the outlet sewer it was found that the average flow now is at the rate of 100,000 gallons per day. Further investigations indicated that the total quantity was contributed from the following sources:—

G.T.R. round house	45,000	gals. per day.
House sinks	20,000	" "
Land drains	35,000	" "
Total	100,000	"

I have assumed that 1,200 people, when properly connected to the sewers, will contribute at the rate of 75 gallons per capita per day, an amount of domestic sewage = 75 x 1,200 = 90,000 gallons. Deducting the amount now contributed by them, viz., 20,000 gallons, the total quantity of sewage to be provided for by the works will be 100,000 + 70,000 =170,000 gallons daily. This sewage, being very much diluted by large quantities of water having little organic pollution, will in consequence be a weak sewage, carrying, I anticipate, about sixteen parts of suspended solids per 100,000 parts of sewage.

Fall Necessary for the Works.

As has been previously pointed out in this report, scarcely any natural fall is available at the sewer outlet, and this will have to be provided in one of two ways, viz., either by pumping the sewage to higher ground adjacent to the creek, or by deepening the creek channel sufficiently to give enough grade fall throughout the works.

The plans for a drainage ditch through this territory, already submitted to the Council of Palmerston, have been studied relative to the requirements of the proposed works, and it is found that the depth of the ditch as proposed (viz., three feet) is not sufficient for the purposes of complete disposal works, and it will be necessary to deepen the last mile of this ditch and obtain at the sewer outlet a depth of cutting amounting to over nine feet. Comparing the two methods of operation, *i.e.*, gravitation or pumping,

it is very evident that the deepening of the ditch is in the main by far the cheaper proposition. The cost of pumping plant and annual pumpage, capitalized at the usual rate of interest, would be greatly in excess of the annual interest on the expenditure made in deepening the ditch.

I therefore advise you to deepen the ditch as shown by the revised grade on the profile referring to this part of the scheme.

The calculations of the comparative cost are based on a ditch three feet wide in the bottom and having one and a half to one slopes on the sides. It is possible that the ditch would stand with one to one slopes, but the flatter slopes would doubtless be the most satisfactory in the end, and it has accordingly been adopted as the basis for the estimates of this part of the works.

Disposal Works.

The creek which will conduct the effluent through three miles of farms before it empties into the branch of the Maitland River, maintains a small flow of water during the greater part of the year, but in the summer seasons sometimes becomes nearly dry.

The water of this creek is, I understand, used by the residents along its banks for the watering of stock. For that reason, and also from the fact that the flow of the Maitland branch is not large and would be easily polluted by sewage, it is evident that your disposal works should procure a sewage effluent both organically and bacteriologically pure. To obtain this result I propose to pass the sewage first through liquefying tanks; secondly, through intermittent sprinkling filters; lastly, through a sand filter.

The works are designed on the basis of a daily dry weather flow of 170,000 gallons, made up as follows:—

Domestic sewage	90,000
Trade effluent, G.T.R. shops	45,000
Farm drains	35,000
	170,000

Owing to the large amount of dilution from the G.T.R. and farm drains this will be a weak sewage, and I have estimated that about three-quarters of the G.T.R. sewage and all of the farm drains may be allowed as dilution, leaving practically 101,000 gallons as requiring nitrification by the filters. The works are calculated to take care of an amount of storm water equal to three times the dry weather flow.

Description of Works.

The sewage will first enter a screening chamber 10-ft. x 10-ft. x 8-ft. deep. This chamber is provided with a screen to keep back inorganic solids and refuse. It then passes into a storm overflow chamber, provided with iron pipe, permitting all storm water over and above three times the dry weather flow to pass to the storm water basin. The excess storm water, after it has settled in the basin, is permitted to flow out into the creek.

The sewage up to three times the dry weather flow is passed into the liquefying tanks.

Liquefying Tanks.

The tanks have a capacity of 170,000 gallons, or one day's dry weather flow, each having a capacity of 85,000 gallons. They are in duplicate, to permit of cleaning and repairs. The floor is sloped, having eight feet of sewage at the inlet and six feet at the outlet. This is for the purpose of keeping the sludge concentrated at one end, from where it may be removed partly with sludge drains and partly by sludge pumps.

They may be operated as continuous flow, sedimentation tanks or as septic tanks.

If as the former, sludge must be removed frequently; if as the latter, sludge should be removed at periods of about four months.

When septic action is maintained, it is estimated 25 per cent. of the organic solids will be digested.

Percolating Filters.

The effluent of the tanks is distributed on to three sprinkling filters, each being forty feet in diameter and five feet deep, and collectively having a total of 700 cubic yards of filtering media. They are calculated to take the sewage at the rate of 145 gallons per cubic yard per day, and in this due allowance is made for three times the dry weather flow during periods of rainfall.

The discharge to the filters is controlled and regulated by a dosing chamber and syphon. This chamber is 10 x 6 x 1-ft. 6-in. deep, and permits regular and equal quan-

tities to be discharged on the filters, of an amount equal to two gallons per square yard of filter. This appliance is to prevent over saturation and the occurrence of hydraulic head, which would tend to flush the filters. The sewage will be distributed by three revolving sprinklers, operated by the sewage under a head of 1-ft. 6-in.

It is anticipated that these revolving sprinklers cannot be operated successfully during the coldest weather of the winter, and I have provided an alternative method of distribution for that period. As shown by the plans, the sewage will be taken through a second set of pipes and distributed through open-jointed three-inch tile placed about six inches under the surface of the bed. The filtering medium will be composed of hard burning clinker, ranging in size from half to one inch, the outer circumference to be sloped up with larger pieces of the same material.

Collecting drains of three-inch open-jointed tile will be placed on the concrete floor and radiating to the collecting channel. A retaining wall is provided about the sprinkling filters, adjacent to the tank, permitting all the pipes, valves, etc., to be placed underground and thus protected from frost. For the purpose of aeration the filters themselves are left exposed, but should the need arise, temporary winter coverings could be easily provided with the proposed arrangement.

The above process should produce an effluent free from organic matter and non-putrescible. It is not calculated, however, that many of the bacteria will be removed, and the effluent will be biologically unfit for the use of man or cattle. Further treatment is, therefore, considered to be necessary.

Sand Filter.

I propose to remove the bacteria by passing the effluent from the sprinkling filters through a sand filter.

As there is insufficient fall for downward filtration, submerged or upward filtration is advised. By this method the liquid will be conducted to the bottom of the filter by a special chamber, and be directed up through graded sand to the outlet, and delivered into the creek. The bottom of the filter bed will be laid with coarse material, allowing the liquid to spread uniformly over each section. The sand will be above this, and above the sand coarse gravel will be used to keep the sand in place. The filter will be 103-ft. x 30-ft. x 2-ft. 6-in. deep, and is calculated to work at the rate of two and a half millions per acre daily.

The walls and bottom will be of water-tight concrete, and the top provided with a movable wood cover built in sections. This cover will be used in winter to keep out frost, and removed whenever weather conditions will permit. The effluent resulting from the combined processes can be discharged into the creek, and should be free from all organic pollution or pathogenic organisms.

Storm Overflow.

At certain seasons an excess of storm water over and above the amount designed for the disposal works will overflow at the overflow chamber. The dilution at such periods will be so great that this overflow will carry very little sewage, and it might perhaps with safety be delivered directly to the stream, but it will probably be better to arrest it for treatment.

In many sewage plants the storm overflow is spread upon the land and allowed to filter through the soil. The sub-soil at Palmerston being blue clay, with very little loam upon it, does *not* favour this method. Under the circumstances, I would advise settling the excess storm flow in a large sedimentation basin, with a capacity of 500,000 gallons, before emptying it into the creek. This basin could be excavated in the clay, and would not require any concrete. The lower end should be provided with pipe and valve, to facilitate draining at the proper time. The basin could at any time in the future be made into a roughing filter, by filling the excavation with coarse filtering media, should the storm flows require a more complete treatment.

Sludge Disposal.

It is now an acknowledged fact that liquefying tanks, when operating at their best, will accumulate about 25 per cent. of the organic solids of the sewage, as well as a certain amount of grit and detritus not arrested by the screening chamber. The removal of this deposit or sludge from the tanks and screening chamber requires that some special provision should be made for this purpose, and also for the proper disposal of the sludge itself.

As there is very little fall on the site of the works, it will not be possible to drain much of the sludge from the bottom of the tanks through pipes. Pipes and sludge valves, however, are provided, which will admit of lowering the head of the sewage in

the tank to some extent, at the same time driving out a portion of the sludge from the bottom. It is likely that the major portion will have to be removed by pumps or other method.

It is important that the sludge removed should not be deposited in the stream or elsewhere where it will be a nuisance and danger. Sludge beds have been provided close to the septic tank, upon which the sludge must be deposited, where it will drain and become, after a short period, of such consistency that it can conveniently be hauled on the land as a fertilizer.

The bed is divided into compartments containing coarse gravel underlaid with drains. These drains lead to a sump well, from which the drainage from the beds is pumped back to the tank to proceed through the regular course of purification. The drains from tanks and screen chamber deliver on to the sludge beds. The sludge, on drying sufficiently, can be dug out of the beds and used for tillage. It is considered that two compartments of the sludge bed will be sufficient for the first installation, and the estimate for it has been made accordingly.

General Remarks.

The amount of land required for the work as shown upon the general plan is three and a half acres. Sufficient has been taken to admit of duplicating the works at some future time. In the mean time the spare land can very well be used for tillage, using the sludge from the tanks for fertilization. Very little of the excavated materials will be needed for banking or mounding on the works, owing to the fact that the level nature of the site puts all the work in excavation. In consequence, a portion of the excavated material will have to be removed from the site, and it may be profitable to provide sufficient land to deposit this upon and thus save extra expense entailed by carting the material for some distance.

From a study of the plans and the site it will plainly be seen that the first important work of construction towards the installation of the disposal works will be the deepening of the drain from the branch of the Maitland River to the site of the works. Until this is accomplished, no work on the system proper can be economically carried out, owing to the saturated condition of the ground. The deepening of the ditch will require some time, as the last mile alone, on which the grade will be lowered with slopes at one and a half to one, will require the excavation of 17,000 cubic yards of material. With slopes at one to one on the sides it will require the excavation of 12,000 cubic yards of material.

In the estimate of cost we have taken the extra cost of excavating the last mile as the total cost less the cost of ditch first proposed. Both ditches are assumed to have slopes at one and a half to one on the sides, and to be three feet wide on the bottom.

In the estimated cost of the works, which is herewith appended, I have considered the various parts of the work in detail, and all usual expenses have been taken into account. The system has been designed to perform the work of purification thoroughly, and necessarily must be somewhat expensive owing to the lack of natural conditions which would favour the construction of an efficient and proper works.

I trust the report and plans will be clear to you, and I shall await your further wishes in the matter.

Summarized Estimate of Cost.

1.	Sewer Manhole and connecting sewers at manhole	$ 36 00
2.	Screening Chamber	155 00
3.	Overflow Chamber	46 00
4.	Pipe connection	5 00
5.	Liquefying Tanks	2,787 60
6.	Dosing Chamber	52 00
7.	Syphon Chamber and Syphon	43 00
8.	Valve and Pipe Chamber	40 00
9.	Sprinkling Filters, Piping and Distributors	4,361 00
10.	Sand Filter	2,483 00
11.	Sludge Beds	300 00
12.	Storm Water Basin	1,028 00
13.	3½ Acres of Land, at $75.00	262 50
14.	Deepening Drain	2,200 00
....	.. ..	
		13,798 60
	Add 15% for contingencies	2,069 40
		$15,868 00

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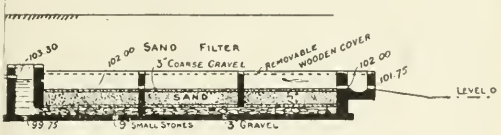
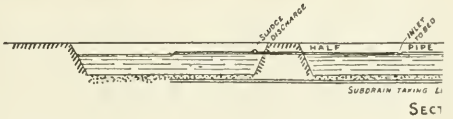
TORONTO





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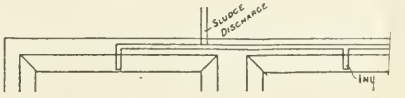

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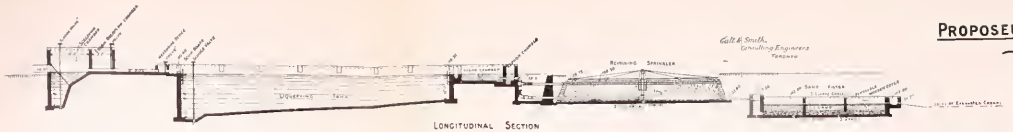
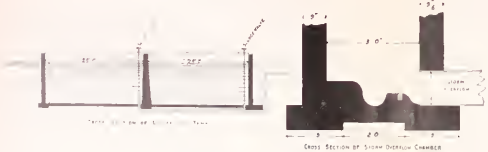
PROPOSED SEWAGE DISPOSAL WORKS FOR PALMERSTON, ONT



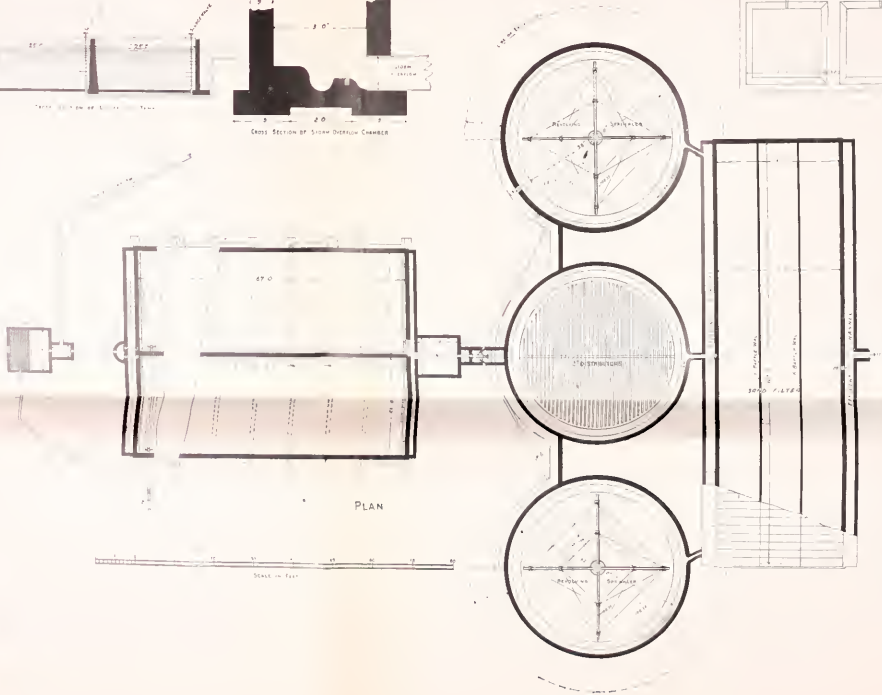
LONGITUDINAL SECTION

SECTION THROUGH SLUDGE BEDS

PLAN OF SLUDGE BEDS



CROSS SECTION OF STORM OVERFLOW CHAMBER



PLAN

GENERAL PLAN

REPORT ON PROPOSED IMPROVEMENTS OF THE SEWAGE DISPOSAL PLANT OF THE CITY OF STRATFORD.

By M. Ferguson, B.Sc., C.E.

I beg to submit plans for the improvements to the sewage disposal plant and an estimate of the cost of same.

The first question which had to be considered was which method of purification should be adopted.

Sand filtration and chemical precipitation are both impracticable, the first as there is no sand in the neighbourhood and we have not sufficient land at our disposal, the second on account of the cost.

This narrows the question down to contact beds and percolating filters. Contact beds have been in operation here for some time and have not been a success; to continue with this system we would require to increase the area of the present contact beds nearly three times. In recommending the sprinkling system I am not recommending an experiment, but one that has been thoroughly tested and has been found to give the necessary purification.

The present tanks have the necessary capacity, but need to be repaired. The smaller tank No. 1 at the south end will be used as a pump well. This will necessitate the inlet being closed and a syphon put in from No. 2 tank. The object is to keep the sludge at the bottom from being stirred up and entering the pump. From this pump well the liquid will be pumped through an 18-inch pipe to a storage tank shown on the plan, from which it will be distributed by gravity to the different beds. The capacity of storage tank will be 104,707 gallons, or 2½ hours' flow. The bottom of the storage tank will be at an elevation of 61, the tank is ten feet high, the sewage will be delivered to the distributors in the filter at an elevation of 55 with a 4½-foot rise, thus giving 11 foot of head. At the tank there are three gates, one to each of the pipes leading to the beds, so that any of the beds can be shut off and given the necessary rest.

There are three main distributors from the storage tank to the beds. Each of these main distributors has five laterals on each side, ten in all per bed, each of which is controlled by a valve, so that the head to the sprinklers can be increased or decreased, and thus giving more equal distribution over the filtering material. The sprinklers have a 4½-foot rise with a nozzle; they are placed 15 feet apart. The filters will be working at the rate of 140.6 gallons of sewage per 24 hours per cubic yard of filtering material. The beds all have a slight fall towards the centre, to allow of the effluent being carried off readily. The lateral collector is underneath the distributor, and they will both be built in concrete.

To prevent clogging the lateral distributors are carried to the surface, so they can be flushed out. A pipe line from the river is laid as shown, and to the hydrant a hose can be attached for flushing purposes.

In regard to tertiary treatment I have made allowance in the estimate for a settling basin or tank for chlorine, which can be put in later should we not get the necessary purification.

The system as proposed will treat one and a half million gallons. The present flow is about 950,000 gallons, and in our plans we have figured 25% more than is necessary at present; this will allow for increased population up to 20,000.

To overcome the effects of severe winter weather on the sprinklers I propose to carry pipes from the boiler to the storage tank and allow the exhaust steam to be carried around the tank; in this way the liquid can be heated 10° to 15°, so that it will go through the sprinklers warm and prevent any freezing around the nozzle.

Estimate of Cost.

Concrete Floors and Walls in Filter Beds	$4,083 20
Tank	1,414 00
Walks	469 00
Excavation	1,009 40
Broken Stone	12,444 25
Piping, Sprinklers and Drainage	2,095 95
Boiler	600 00
Pump	500 00
Pump House	800 00
Excavation and Extras	500 00
	$23,915 80

ANNUAL COST.

Depreciation of Pumping Plant, 10% of $1,100	$ 110 00
Labour, 1 Man for engine	700 00
Labour, 1 Man for engine	550 00
Fuel	2,500 00
	$3,860 00

APPENDIX A.

The reports appearing in this Appendix were received from the Secretaries of the different Local Boards of Health of the cities and towns of the Province, in conformity with section 60 of the Public Health Act, and have been edited by the Secretary of the Board.

BRANTFORD.

DR. T. G. PEARSON, M.D., M.H.O.

With the closing of the year ending October 31st, 1909, I wish to present you the following report:—

MORTUARY STATISTICS.

For the period of this report, there have occurred, exclusive of still-births, 270 deaths, as compared with 314 for the corresponding period of last year, which in the estimated population as taken from the assessors' report of 20,711, gives us a mortality rate of 13.03 per thousand, to my mind a very satisfactory showing.

Among the causes of death there were:—Typhoid fever, 5; diphtheria, 3; pneumonia, 18; tuberculosis, 15; entro collitis and cholera infantum, 20. Ast to ages we find: Under 1 year, 65; over 1 year and under 5 years, 10; over 60 years, 54; over 80 years, 30.

CONTAGIOUS DISEASES.

Of the above class of diseases there have been reported in all 121 cases, with 9 deaths, as compared with 122 cases with 9 deaths for the preceding twelve months. Classified as follows:—

DIPHTHERIA.

Thirty-five cases with 3 deaths as to 24 cases with 2 deaths for the corresponding period of the preceding year.

Of these cases 7 were due directly to outside sources of infection, while 5 others occurred from infection from an unreported mild case.

SCARLET FEVER.

Of this disease we had 16 cases with no deaths as compared with 15 cases and no deaths of the preceding year. As with diphtheria, we were unfortunate in getting a great deal of our trouble from outside infection, four cases at least having been exposed in other places, one of which having returned from an infected house in another city, became responsible for no less than four other cases before the source of infection was discovered.

TUBERCULOSIS.

In reference to tuberculosis you will note that we had 15 deaths as compared with 26 deaths for the previous year; and although a decided reduction yet the deaths from this disease are more than the combined deaths of all other contagion, and although ways and means have been discussed by this Board on different occasions as to the combating of this trouble.

I had hoped that at this meeting I would be able to have something definite to give you as to the establishment of a sanitarium, but am sorry to state that as yet matters are somewhat delayed but hope in the near future that the committee in charge will have details completed, and that by spring something will be done in the way of construction and thus put us in the desired position for caring for this class of patient.

TYPHOID FEVER.

During the past twelve months 65 cases of typhoid with 5 deaths have been reported, as against 72 cases with 7 deaths for the year previous.

From this number no less than 14 cases with 3 deaths were directly traceable to outside sources of infection, such as persons who had returned after a summer at holiday resorts or those who had been at work outside the city and who returned home ill.

As to the remaining cases, as in former years, they were located largely in the outlying sections of the city and located in those sections which are as yet without proper sanitary sewers, and where the water supply is largely from wells.

In this connection I might add that in regard to water supplies we find that 20 were from wells, 22 from wells and city, and 9 city water users. It might further be stated that, as would be apparent from the above conditions, upon examination of their different wells the water in almost every case showed evidence of sewage.

Another factor which also is to be considered from the above where there is an absence of proper sewers and the dry earth system of closet is in vogue the danger of direct infection becomes very apparent from the activities of the house-fly, which I think in not a few cases was the cause of trouble.

Therefore it again behoves us to continue an active campaign of sewage extension, at the same time a progressive abolition of all wells which, if not now, must soon become infected, through the long pollution of soil and increased density of population.

Public Abattoir.

Another matter which we have on different occasions discussed has been the advisability of establishing a public abattoir in which the proper slaughtering and inspecting of meat used in the municipality could be carried out, and without going into the many details of the necessity of such an establishment I wish to call forth your united action on the matter and would advise that a committee of this board be appointed to take the matter up with the City Council, who I think are quite prepared to take up the proposition.

CHATHAM

W. R. Hall, M.D., M.H.O.

I have the honour to herewith submit my annual report for the year ending December 1st, 1909.

The Local Board of Health held eleven regular meetings during the year. The chairman, J. C. Wanless, attended 9 meetings; Dr. R. V. Bray and Mr. W. R. Baxter, each 10 meetings; Dr. C. R. Charteris all meetings; Rev. Colles 6 meetings; His Worship Mayor Westman 6 meetings. There were no special meetings.

Expense Incurred.

Total charged up to the Local Board of Health $1,431.56. This included the total up-keep of the Isolation Hospital, and a sum of $148.08 for permanent improvement to that institution. Deducting this last item from the local expense, the actual running expense this year is $1,267.48, or $52.72 less than last year.

Contagious Diseases.

Diphtheria, 20 cases; two deaths. Last year there were 24 cases.

Scarlet Fever, 14 cases; no deaths. Last year there were 4 cases.

Whooping Cough, 16 cases reported; two deaths.

Typhoid fever, 19 cases; two deaths. It is known that seven of these cases were contracted outside of the city and were brought here for treatment. We cannot find the cause of the other cases. Last year there were 47 cases, with 4 deaths.

Consumption, 11 deaths; this disease is not reported, only registered when death occurs. The Local Board of Health disinfects every house in which a death occurs, as soon after as possible. Fourteen deaths were reported from this disease last year.

Vital Statistics.

There were registered in the city 188 births, 131 marriages and 170 deaths; 47 of these latter died in the city, but were brought here from outside points, the correct number for the city being 123. Taking the estimated population at 12,000 gives the birth-rate 15.6, marriage-rate 10.9, and the death-rate 10.2.

Ages at Death.

Still-born and premature-births 20; between birth and 2 months 16; between 2 months and 1 year 11; between 1 and 5 years 9; between 5 and 20 years 10; between 20 and 50 years 38; between 50 and 70 years 31; between 70 and 80 years 15; between 80 and 90 years 18; one 90 years and one 95 years.

Some Causes of Death.

Consumption 11; cancer 9; pneumonia 13; heart disease 18; apoplexy 12; convulsions 2; alcoholic poisoning 2; accidental 2.

Garbage System.

The collection of garbage is done without any expense to the city. Householders have the privilege under the by-law to make contracts with the city scavenger at a fixed rate, and pay him for the work. Two hundred and seventy householders have availed themselves of the privilege this year, seventeen more than last year. The system works pretty well and should be extended.

The city scavengers buried 162 dead animals; cleaned 147 yards and 1,144 closets.

Five lots of hogs were moved outside of the city limits by order of the inspector.

Four lots of meat were condemned and destroyed by the inspector's order, and one vendor fined $5 and costs for exposing meat for sale which was not considered fit for food.

There are eight slaughter houses used for slaughtering animals for butchers' use in the city. These have all been inspected a number of times and found in a fair condition, except that the water used for washing the carcases was in four cases found to be too impure for this purpose. In one case this has since been remedied, and we hope to have the others remedied soon. In the meantime precautions are being taken to overcome the danger.

We have under observation a number of lump-jawed animals in the Townships, which if offered for sale on our market will receive prompt attention. Two animals of this kind were destroyed at our request during the year.

Milk Supply.

The dairies supplying milk to the city have all been inspected twice during the year, and the majority three times. There has been a marked improvement in many of the dairies during the year. There is still room for much improvement, but we are hopeful for the future as the dairymen realize more than ever the necessity for thorough cleanliness, etc., in the handling of the milk.

Fifty-five samples were analysed. The majority of them were found to be pure and of good quality. Two samples had water added to them.

GUELPH.

H. O. Howitt, M.D., M.H.O.

Taking it all in all we have a fairly satisfactory report for this year.

Deaths.—One hundred and ninety-nine deaths occurred in Guelph during the twelve months ending December 31, 1909. Of these 199 a considerable proportion were not Guelph people, but patients who came into the city hospitals or Homewood Sanitarium for treatment.

It will be noticed in tabulating the deaths into the decades of life:—1st decade, 67; 2nd decade, 6; 3rd decade, 6; 4th decade, 12; 5th decade, 18; 6th decade, 9; 7th decade, 27; 8th decade, 25; 9th decade, 26; 10th decade, 4.

The second and sixth inclusive bear a relatively small individual proportion; the seventh, eighth and ninth bear a heavy proportion, and the tenth, as few reach that age, is very low.

The greatest number of non-residents who died in Guelph are included in the third and sixth decades, which are also low. The first is the heaviest proportion (e.g., 67 in number) and is made up entirely from this city's population. It claims 33.7 of the total 199. Now of these 67, 59 whose age was less than two years and from two years and under we reckon the infant mortality. Then 59 of the 199 or 29.6 percentage of the total is quite a large infant mortality, but 18 of these were reported (still-born) of our infant mortality percentage of total is 20.6 per cent., and 9 of these died of pneumonia.

The chief causes of death were: Pneumonia 19, cancer 13, tuberculosis 8; six deaths were accidental or "found dead." Alcoholism claimed 1 (a non-resident), typhoid 1, and scarlet fever 2, one in June and 1 in December, before this disease became general

Scarlet Fever.

There were reported during the year ending December 31st 20 cases of diphtheria and 62 cases of scarlet fever; only during eight weeks of the fifty-two were the fever wards empty. The largest number of cases of scarlet fever at one time are not included in this report, as they occurred early this year when it was necessary to open an extra building to accommodate them, this building being at considerable inconvenience supplied in time of the emergency by the Sisters of St. Joseph.

At present in the infectious department of the General Hospital, the "city isolation hospital," the conditions are deplorable. There is not accommodation properly for more than nine cases of each disease, allowing a cubic air space of only 1,000 cubic feet per patient. There is no accommodation provided for mixed infections, cases of erysipelas and rotheln and for diseases requiring isolation. There is no provision for private cases or cases requiring special attention or even making it possible for the segregation of the sexes, men, boys, girls, women are only provided for by one large room and one common lavatory. This arrangement for looking after infectious fevers made eighteen years ago was perhaps quite suitable then with our small population, but is entirely inadequate now. Fortunately after September 1st of this year the infectious department will be closed, complying with the order of the Provincial Inspector of Hospitals. The Public Health Act empowers each municipality to provide accommodation for infectious diseases. It will be necessary then for the City Council of Guelph to take immediate action and provide a suitable hospital for these cases. This hospital will probably cost, if made modern, in the neighbourhood of $15,000 to $20,000. The maintenance and cost of construction are entirely in the hands of the City Council and in no way connected with the General Hospital. The Board of Directors of the General Hospital have, however, offered free of cost a site for this building and also to provide nurses when required, in return for the city grant. It will probably be much less expensive for the city to make an arrangement of this kind than to have a nursing staff of its own and to provide the site for themselves.

Typhoid Fever.

Typhoid fever is not always reported so we cannot get satisfactory figures as to death rate. Perhaps the best way to arrive at this percentage is to take an average of the number of cases treated in the two hospitals during the past few years and then noting the difference, if any, compared with the year just closed. Now this makes a particularly interesting report at present. When we consider that typhoid fever is a water borne disease, and the city in June, 1909, installed a new water system, namely, direct supply from the springs; river water (with filtrations?) was used formerly. In 1908 there were thirty cases of typhoid treated in the hospital (dozens were treated at home in the fall of that year). The Guelph hospitals reported 30 cases treated in the fall of 1908 and 14 in 1909 during the same months. Now of these 14 in 1909, three came from one house with a mixed water supply, in six the disease was contracted out of town, leaving only five cases as compared with thirty of the previous year during the same months or one-sixth. Some of these five probably owe their infection to some cause such as infected water other than city water. Those who used well water produced an overwhelmingly relative proportion of the cases of typhoid in 1909; and the disease is now when we have our largest population about one-third as prevalent as when the city had a population of about 11,000. The new water system has done much to wipe out the disease.

COMPARATIVE TABLE.

Showing cases of Typhoid Fever reported for the past twenty-two years.

	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Total.	Deaths.
1887–1888	14	10	5	.....	.....	2	.....	1	4	23	48	20	127	19
1888–1889	44	11	2	4	2	2	1	2	6	24	38	20	151	12
1889–1890	5	10	3	6	2	4	1	3	1	7	26	15	81	6
1890–1891	14	8	5	2	1	1	1	4	3	2	15	13	69	5
1891–1892	8	5	2	1	4	4	3	5	2	15	21	9	79	10
1892–1893	11	5	7	5	4	2	2	1	.	3	13	12	65	6
1893–1894	23	11	4	2	3	2	2	1	10	14	29	19	120	6
1894–1895	3	2	5	5	3	.....	2	6	4	15	17	31	93	4
1895–1896	13	8	25	7	8	2	4	3	14	13	14	8	119	15
1896–1897	8	3	2	2	31	.....	...	2	1	5	11	6	41	5
1897–1898	2	11	1	2	4	1	.....	1	1	4	6	3	36	6
1898–1899	3	1	1	1	1	3	1	.....	5	26	21	12	75	13
1899–1900	5	2	.....	1	2	1	2	1	1	10	28	8	59	12
1900–1901	12	5	1	.....	.....	..	.....	2	2	13	12	11	59	10
1901–1902	3	2	1	1	2	1	.....	3	2	17	29	3	64	7
1902–1903	5	1	2	3	1	1	1	.....	.....	13	9	17	53	67
1903–1904	16	5	2	.....	2	3	1	20	19	12	17	7	104	7
1904–1905	6	11	3	.....	.....	1	3	1	2	7	8	6	48	8
1905–1906	7	4	7	3	.....	1	.....	2	2	6	52	47	125	20
1906–1907	12	1	.....	2	.....	1	.....	4	1	8	15	8	52	11
1907–1908	2	4	.....	1	..	..	.....	2	6	11	13	4	43	9
1908–1909	7	..	.....	.....	3	.....	..	3	4	6	27	8	58	.....

SMALLPOX.

Two cases were reported during the year, one who had nursed a case in another town and developed the disease a few days after arriving in Guelph. The cases were placed in the infectious hospital and their houses quarantined. Recovery in both cases and the total cost of handling the scare about half that of any previous case.

MILK.

A very satisfactory milk by-law has been passed by the Council regulating the inspection and sale of milk; it will immediately be put into force.

I regret the present legislation is not sufficiently exact to enable us to regulate the meat supply and make a municipal abattoir a success, but we have the promise of the Ontario Government Commission, which visited Guelph last fall, that they will recommend to the Government the passing of an Act granting that which is now so much required.

ANALYSES.

Old Water Supply.

1. Analyses, former supply (from river).

Chlorine		*Free Ammonia.*		*Albuminoid*
1.55 parts per million	.....	.013	.....	.15

Bacteria—Colon Bacilli present.

2. Present water supply (from springs direct).

Chlorine		*Free Ammonia..*		*Albuminoid.*
.9	.....	merest trace	.....	.038

Bacteria—Complete absence of Colon and harmful bacteria. The water supply at present is unexcelled anywhere.

HAMILTON.

JAMES ROBERTS, M.D., M.H.O.

(Morbidity and mortality statistics of contagious disease.)

Summary of contagious and infectious diseases from November 1st, 1908, to October 31st, 1909.

Diseases.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Total.
Scarlet Fever	35	31	32	28	26	27	29	27	25	35	32	29	356
Diphtheria	15	17	17	12	16	8	9	11	7	15	24	31	182
Typhoid Fever	7	....	....	....	3	....	....	3	4	6	27	8	58
Measles	2	1	3	1	2	4	14	21	11	2	3	5	69
Mumps	....	....	....	2	....	....	1	1	....	....	....	....	4
Chicken pox	32	46	30	16	39	44	28	7	4	1	1	6	242
Whooping Cough	3	....	6	3	6	17	22	20	16	9	19	2	123
German Measles	1	....	1	5	1	....	4	....	....	....	1	1	14
Tuberculosis	6	5	7	1	18	6	15	10	7	7	5	5	92
Smallpox	....	....	....	....	....	....	....	....	....	....	3	....	3

Table showing number of cases and deaths from Infectious Diseases for the past twenty-five years.

Year.	Diphtheria.		Scarlet Fever.		Typhoid Fever.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths
1884–1885	202	59	27	1	52	4
1885–1886	214	67	109	2	25	2
1886–1887	205	31	173	2	69	8
1887–1888	163	48	173	3	127	19
1888–1889	62	15	151	3	151	12
1889–1890	45	6	175	6	81	6
1890–1891	32	8	108	3	69	5
1891–1892	20	23	135	2	79	10
1892–1893	55	15	282	2	65	6
1893–1894	318	69	134	2	120	6
1895–1896	60	9	48	1	119	15
1896–1897	63	17	180	3	41	5
1897–1898	159	18	187	6	36	6
1898–1899	95	15	124	4	75	13
1899–1900	103	12	141	4	59	12
1900–1901	93	25	88	4	59	10
1901–1902	106	25	97	23	64	7
1902–1903	86	13	104	7	53	6
1903–1904	180	13	218	3	104	7
1904–1905	218	22	129	3	48	10
1905–1906	180	21	162	1	125	20
1906–1907	146	14	68	2	52	11
1907–1908	92	8	171	8	43	9
1908–1909	182	....	356	....	58	....

NOTE.—1894-1895 is omitted.

KINGSTON.

A. R. B. Williamson, M.H.O.

In presenting this the Annual Report of the Medical Health Officer, I am able to certify to the condition of public health only for the past two months, from personal experience, as I was appointed to this office late in the month of September, and most of the work of the year was superintended by my predecessor in office. However, in going over the records for the year a few facts were brought prominently to my attention.

1. That the unfortunate smallpox epidemic which interfered with the welfare of the community so seriously, both from a physical and material standpoint last fall and winter was by May 1st completely wiped out, and the only cases reported since then were in the month of May and were brought here from outside places.

2. The distinct advance in sanitary legislation adopted by the Board last year in closing up all pits in the portions of the city supplied with water and sewerage systems.

A close watch has been kept on the various wells in use in Kingston, and any found infected have been ordered to be closed. I think that in a city situated like Kingston, so close to an abundant and pure water supply the necessity for wells is a minus quantity, but at the same time the municipality must be prepared to supply pure water to every householder, before taking away his right to use a well, and this matter should be urged on the City Council, as it seems to me that the provision originally adopted, demanding a return of 8 per cent on capital expenditure for the putting in of a water system in any district is not now so necessary as when the city took over the plant, and if the rate of interest demanded can be lowered, we would be able to have the wells in a number of districts closed up, where at the present time it is a practical impossibility to do so owing to lack of water supply in the neighbourhood.

Closely related to the water supply is the necessity for connecting the dead ends of the water mains in Kingston. Apart from the mechanical advantages that have been pointed out in favour of such a scheme, it is undoubtedly true that liability to disease from infected drinking water is greater at these points where sediment can collect in the pipes, and from a sanitary point of view the elimination of dead ends is greatly to be desired.

I would further suggest that the local Board should urge on the Council the necessity for working on some general plan in the construction of new sewers, as any marked increase in population will render an intercepting sewer with an outlet far from the shore a necessity, and therefore as little money as possible should be spent on the present outlets, as there is no doubt that their usefulness will be limited to a comparatively short space of time. There are, however, one or two that require immediate attention; one is the Russell Street sewer and the other the Bay Street. Attention to these has already been called and provision of some sort for their improvement will no doubt be adopted very shortly.

The total cases of infectious diseases reported for the last twelve months are:—Scarlet fever, 36; typhoid fever, 55; diphtheria, 12; smallpox, 13; chickenpox, 2; measles, 5.

Of these the following cases were brought into the city from outside points:—Scarlet fever 1; Typhoid fever 15; Smallpox 3; leaving a total of Scarlet fever 35, Typhoid fever 40, Diphtheria 12, Smallpox 10, Chickenpox 2, and Measles 5, contracted within the city during the year.

LONDON.

T. W. Hutchinson, M.D., M.H.O.

I beg to submit the following report regarding the health of the city for the year ending November 15th, 1909:—

Sixty hundred and thirty-nine deaths occurred during the year, being fifty-five less than in 1908. Consumption for the first time in many years has fallen back to third place. There is a very satisfactory decrease in the number of deaths, namely, forty, as compared with fifty-one in 1908. This is due no doubt to the more strict isolation and the destruction of the sputa, the Anti-Spitting By-law, the knowledge by the public that the disease is contagious, and in great measure to the noble and self-sacrificing efforts of Miss Graydon, Mrs. Duncan and a few other ladies who have for the last two years taken charge of nearly all the chronic cases. Cancer, which has been steadily increasing for years, not only in the city but in the province, has this year jumped to first place, the mortality reaching the large number of forty-nine. Pneumonia takes second place with forty-five deaths, compared with fifty-four last year. Pneumonia thrives in winter because people get less pure air and sunshine than in summer; therefore ventilate and sleep with the bedroom windows open. There is also a great reduction in the number

of deaths from infectious diseases. As to scarlet fever there were reported forty-seven cases with only one death. Diphtheria, forty-seven cases reported and two deaths; and Typhoid fever had but one death to its credit compared with five last year. No doubt all the cases of Typhoid fever are not reported on account of the difficulty of diagnosing cases of very mild type. Typhoid fever dwellings are not placarded, but it is earnestly desired that every case be reported to the Health Department, in order that means may be taken to restrict the disease as much as possible. There were fifteen deaths due to violence, compared with twenty-six last year. Three of these were railroad accidents, two died by poisoning, and two suicides. There were only three deaths from Appendicitis, which speaks well for our splendid hospitals and surgeons. Altogether the year has been an exceedingly healthy one. Taking the city's population at 50,000, places the death rate at 12.8 in the thousand of population. Of the dead approximately four hundred and twelve were Canadians, one hundred and sixteen were born in England and Wales, eighty-one in Ireland, thirty-one in Scotland, twenty-one in the United States, three in Germany, two in France, and one in each of the following countries, namely, Russia, Denmark, and Newfoundland; one from Auld Scotia reaching the good old age of one hundred years and three months. The records do not show that he used tobacco all his life.

There were eighteen cases of smallpox during the year, compared with ten in 1908, and as usual, none of these had been successfully vaccinated. All recovered. In 1885 a coloured porter travelling between Chicago and Montreal was found ill with smallpox. For a number of years the French-Canadians had opposed and neglected vaccination. From this one case thousands contracted the disease. It spread through the city like fire, and in ten months three thousand one hundred and sixty-four died from the disease; two thousand seven hundred and seventeen of these being children under ten years of age. The saddest phase of this is that innocent children suffered and died through the ignorance of their parents who had followed false teaching and neglected vaccination. The epidemic cost Montreal $70,000, and ten times that amount in loss of trade and wages. Every few years a wave of fanatical ignorance and opposition to vaccination passes over some part of the Dominion, followed in due time by an invasion of smallpox. Cease vaccination and London will have Montreal's experience.

Public telephones should be frequently disinfected. Every person using a telephone breathes and speaks into it, and if there are any disease germs in the throat, they readily lodge in the transmitter. The Department is frequently asked to disinfect telephones. This may be done daily, or as often as necessary, by wiping the mouthpiece with a cloth saturated with a solution of formaldehyde. It is earnestly hoped that the efforts now being made for a garbage system will be successful. A clean city means a healthy city. This would make it impossible for the disease-carrying house-fly to exist. The fly eats and walks over manure, tubercular sputum and worse filth, then comes into the house and deposits this on the food. Typhoid fever and Consumption are undoubtedly spread in this manner by this filthiest of all living things.

There are 66 authorized milk dealers in the city, who dispense over 13,000 quarts daily. This quantity is supplied by 120 farmers. There are also a number of cows belonging to citizens, who use the milk for their own families. The city's milk regulations are strict but fair. Amongst others, it requires that all dairies must comply with certain regulations before a license shall be issued, and prescribes a standard of not less than 3.25 per cent. of butter-fat. Bottled milk should not be left at quarantined houses, but should be poured into a receptacle provided by the family. Any unfavourable discovery should be reported immediately to the Health Department. One hundred and sixty-five samples of market and other milk have been examined during the year. The quality was good; the average per cent. of butter-fat by which this is determined being 3.87. Cows suspected of having Tuberculosis or any other disease whatever were either removed or kept under observation, or the vendor prohibited from selling milk in the city.

NIAGARA FALLS.

F. W. Ernest Wilson, M.D., M.H.O.

During the year ten meetings of the Board were held, and $424.98 expended in this Department. Sixty-eight contagious diseases were reported, from which fourteen deaths resulted. The inspector placarded all houses for contagious diseases and did the necessary fumigating.

Scarlet fever: 35 cases, 1 death. Diphtheria: 7 cases, 1 death. Measles: 2 cases, 0 deaths. Typhoid fever: 14 cases, 2 deaths. Tuberculosis: 10 cases, 10 deaths.

The total number of deaths from all causes was 113, or 8.8 per cent. of total deaths from Tuberculosis alone.

Early in the year the Board secured the services of Dr. G. D. Porter, Organizer and Lecturer of the Canadian Association for the Prevention of Tuberculosis, who delivered

a public lecture in the City Hall on February 23rd, when much interest was manifested in this subject and plans set in motion to form a branch of the League. Later, this was followed up by requesting the Department to set a date for holding the Tuberculosis Exhibit in the city in the hope of bringing before the citizens the enormity of the ravages the White Plague is making in our midst.

The Sanitary Inspector made two general inspections of the city during the year and found fifty premises in an unsanitary condition, all of which were promptly cleaned, upon the parties being notified.

The population from the last assessment roll 8,200.

The births during the year numbered 202.

A system of garbage collection has been established whereby all kitchen refuse is collected once each week from all parts of the city, and twice each week from hotels and restaurants; other garbage once each month, which has added materially to the general health of the city.

The water supply has been very satisfactory, most of our typhoid fever cases being traceable to outside sources.

Three thousand nine hundred and nine feet of sewers were put in and 63 house connections made.

Three general inspections of milk were made by the Dairy Inspector, and samples taken from the wagons making deliveries averaged 3.6 per cent. of butter fat.

OTTAWA.

ROBERT LAW, M.D., M.H.O.

I beg to present the report of the Health Department for the year ending 31st October, 1909.

The estimated population for the year is 83,360.

During the year 1,727 births were recorded, a decline of 252 from last year, which totalled 1,979.

During the year 1,307 deaths were recorded, giving a death rate of 15.67 per thousand, a decline from last year, when the deaths totalled 1,412 or a rate of 17.58 per thousand; thus indicating the steady improvement in the health of our city, which, eight years ago, had a death rate of 20.9 per thousand.

Cases of infectious diseases were reported as follows:—Diphtheria, 170; scarlet fever, 204; typhoid fever, 51.

The mortality from the chief infectious diseases totalled 184, divided as follows:—Tuberculosis, 128; typhoid fever, 26; whooping cough, 19; diphtheria, 11; scarlet fever, 5; measles, 1.

The increase in deaths from Tuberculosis from 107 to 122 seems to emphasize the urgent need of the splendid institution so soon to be opened, on a most excellent site, for the treatment of this dread disease.

The thanks of the city are certainly due to the public spirited men and women who have banded together and given freely of their time and means to provide this refuge for the stricken, and great defensive aid in the struggle against this tireless and most insatiable invader.

To increase the power for good of this hospital I would again recommend that you urge the *Provincial Board* of Health to, at the earliest possible moment, have *definite* and *comprehensive* regulations passed for the control of this disease, especially emphasizing the necessity for *notification* of cases to the Health Department, and the conferring of the necessary authority to require the removal to a *proper institution* of such cases as cannot be treated in their homes without *endangering* others.

As the debilitating influence of life in crowded and unsanitary dwellings and workshops is an important predisposing cause of this, as of other diseases, and as the increased area of the city has rendered the demand upon the Plumbing Inspector excessive, I again recommend that an assistant be appointed, and that these inspectors constitute the House Inspection branch of the Department, and be required to look into general unsanitary condition and overcrowding of buildings, with authority to have defects remedied.

The Isolation Hospital has done good work during the year in the care of scarlet fever and diphtheria, affording treatment to 369 patients, with a total mortality of 12, or but 3.25 per cent.

During the year extensive alterations and innovations have been carried out, which will greatly facilitate the work of the hospital.

Of the total mortality of 1,307, 448, or more than one-third, are of children under one year of age. Many of these lives could have been saved.

During the three summer months 108 children succumbed to diarrhœa, as compared with a total of twenty from the same cause during the remaining nine months of the year.

This question of excessive infantile mortality, especially during the summer, is a matter to which your Board should give especial attention, as many lives may be saved each year by education of parents in the care of children, by the issuance of a short pamphlet on this subject, and by the provision of especially prepared milk in bottles ready for use, during the warm weather. The details of this proposition have been already before your Board.

The city of Rochester, N.Y., one of the pioneers in this work, has, at an annual outlay of $1,000, reduced the summer mortality in infants by 50%.

That this would be considered a good investment by the citizens I do not doubt, as I believe one dollar spent along this line will save more lives than one hundred dollars spent on the combined services of scavenging, incineration and water purification, all of which have been practically endorsed by the electorate.

As another aid toward saving of child life and improved health of school children, I would recommend that provision be asked in your estimates to inaugurate a system of medical inspection of school children.

I also beg to mention the question of a municipal ice supply, which I think might well be taken up in conjunction with the inquiry into means for the rendering of our water supply above suspicion.

This, I believe, should be a civic service, as much as is the water supply.

This could readily be done in a city like Ottawa, where the cold winter makes the ice so readily obtainable, and where the short hot summer makes it so necessary for the health and comfort of our citizens.

In conclusion, I have much pleasure in testifying to the faithful services of the staffs of the office and hospital during the year.

PETERBOROUGH.

A. W. McPherson, M.B., M.H.O.

I beg to submit a report of the Health Department from June 9th, 1909, to December 31st, 1909.

During this time the city has not been free from infectious diseases. In the months of June, July and August, scarlet fever and smallpox were very prevalent, with an occasional cases of diphtheria, measles and chickenpox. Since then all have steadily decreased with the exception of measles. At present there are no cases of smallpox or diphtheria, and only three families with scarlet fever. Measles, however, have increased very greatly, but as it has not been the custom to report them, it is impossible to estimate the extent. Typhoid has been very light, and at present the city is free from it. Tuberculosis is not reported, and, as with measles, we are not in a position to judge as to the number of cases.

Smallpox.

To the mildness of the infection is due the fact that there was a widespread exposure before the disease was recognized. The prompt action of the Board in establishing tent accommodation and providing free vaccination soon controlled the epidemic. There was one feature worthy of notice I should like to draw your attention to; out of over forty cases only two had been previously vaccinated. In these the exposure was very close and the type was very mild. I would recommend that steps be taken to provide public vaccination at stated intervals, as is required by law.

Scarlet Fever.

Fortunately the type has been of a mild character. But in spite of this we regret to report several deaths and many serious complications resulting directly or indirectly from it. I wish to draw your attention to the great difficulty in enforcing proper quarantine as a result of the long period required for scarlet fever and the resulting inconvenience and loss to the families affected. The great majority of cases are among a class who can very ill afford such loss. However, I am glad to say that we hope before the next annual we shall have an isolation hospital and these inconveniences will be minimized.

Reporting of Infectious Diseases.

It has been the custom to report only cases of scarlet fever, diphtheria and smallpox. Several months ago the Board requested the doctors to report all cases of typhoid. I

would recommend that a similar request be made for measles, whooping cough and tuberculosis, so that such steps can be taken to limit the spread of these diseases among school children and others who may be exposed.

Water Supply.

Samples of city water and samples from a number of wells were sent to the Laboratory of the Provincial Board of Health on two different occasions. The first report showed slight contamination of the city water. About six weeks later the report showed no contamination. The absence of typhoid speaks well for the purify of our supply.

Milk.

The monthly tests have been very satisfactory as far as butter fat and adulteration are concerned. Two cases of the latter were reported and the offenders punished. With the exception of one month, the percentage of butter fat was high. But the examination does not reveal the presence or absence of dirt in the milk, and for that reason some steps should be taken to inspect the premises of the dairymen and a certain standard of cleanliness required before a license is granted.

Garbage.

Numerous complaints have been received about the unsanitary conditions of the lanes and back yards, due to the deposits of decaying vegetable matter and other material. In following up these complaints we found the lanes in many places in a very untidy and, oftentimes, unsanitary condition. This means that in the near future a scavenger department will be required. In towns not any larger than ours such a department exists, and collections are made twice weekly. This would materially improve the health and beauty of our city.

PORT ARTHUR.

C. N. Laurie, M.D., M.H.O.

In presenting my report for the year 1909, it gives me much pleasure to be able to state that we have had no serious outbreaks of sickness.

The typhoid season, which has just ended, has been the mildest, with the least number of cases from the city, that we have had during my five years as Medical Health Officer. We have only twenty-two cases reported.

There has been a large number of cases treated in our hospitals from the surrounding country, the most serious outbreaks being at Jackfish, Kashabowie and Nepigon from the Transcontinental. As most of the cases in this district are sent to Port Arthur and Fort William for treatment, these outside cases are of particular interest to us, as they are likely to bring the disease to our citizens, especially when they are treated in private homes. In the hospitals, where the nursing and care of the disease is better understood and applied, the danger of contagion is small.

The only way to overcome this danger is to have the outside district most carefully looked after by Provincial officials before an outbreak occurs—not after, as is now the case; also by issuing pamphlets to educate the people on the causes, prevention and care of typhoid.

The three great causes of this disease are impure water, bad milk and flies. I believe I should have put the flies first as a cause. Of course the flies cannot carry the disease or the typhoid germs unless they can find them, which they generally do in the filthy open closets which are still so common; after wading through the filth they fly into the house, crawl over the butter and other victuals, fall into the milk, soup and tea, from which they may be fished out, but leave the germs behind. I was called to see a sick child last August; the house was clean and bright, and everything looked well kept, but I found seven flies swimming in the milk from which the child had been fed. On my pointing them out, the lady of the house took a spoon to fish them out, but never thought of throwing out the milk or even trying to purify it by boiling.

As far as the city water is concerned, we need not consider it as a source of infection at all, as there is no better or purer water in the world.

Water used from wells and springs on the outskirts of the city is always open to suspicion, and will always be a source of danger. However, we hope the day may soon come when the water works system may be in use all over the city.

The milk problem is still a hard and dangerous one. It is always one which needs to be watched, as the most of the supply is brought into the city from the surrounding country, where they of necessity have to use well or spring water to water the cattle, wash cans, etc.

Some of the milkmen even use it for the purpose of adding to the milk. We have had several fined during the year for so doing, and some have been fined several times. One milkman actually acknowledged that he got the water out of a creek on the roadside.

At first the milkmen objected to the inspector visiting their premises, but the threat that they would not be allowed to sell milk in the city brought them to their senses, and a general improvement has taken place in all the dairies.

In regard to the supply of city water, we are now using Current River water while the intake pipe is being moved from the present location, necessitated by the building of the dry dock at Current River.

The changing of the intake, which was in fifteen feet of water fifteen hundred feet from the shore, now being carried out to thirty-five hundred feet into water thirty feet deep, should put our water supply beyond all possible source of danger for many years to come.

We have had a little trouble with some of the butchers this year, but after having a few before the magistrate there has been a decided improvement, and I believe the shops and meat are kept as clean as any in the country.

I advise that more care be taken by the bakeries in the handling of bread, each loaf of which should be covered by paper, as it has all to be handled by the driver, whose hands cannot always be as clean as desired.

Inspector Nichols has kept a close watch on the lanes and yards of the city, and although the work is getting greater each year, he has kept the sanitary condition of the city in as good a state as possible with the one regular and few temporary teams at his command.

The Isolation Hospital has been in charge of Mr. and Mrs. Clemerson, who have kept it in an excellent condition. A number of cases of measles, scarlet fever, diphtheria and one case of smallpox have been treated there. All the patients have expressed themselves as much pleased at the cleanly, comfortable quarters and care provided by the city.

It is rather startling to notice nineteen deaths from tuberculosis. Most of these cases occurred among the foreign population, and I think, to a large extent, is caused by the overcrowding in their homes and boarding houses. In a great many cases two and three families live in one house, and in a number of boarding houses there are two and three beds in one room.

This is a matter the Board will have to take up during the coming year, and demand all boarding houses to have sufficient cubic feet of breathing space for each person in their sleeping rooms.

In October I visited the American Public Health Convention at Richmond, Virginia. There every possible phase of public health work is most fully taken up by men and women who spend their whole time and attention to it. A number of excellent papers were read and discussed. It is a great education and stimulus to anyone in that line of work to attend such a meeting, aside from the pleasure of the trip, which was certainly great.

ST. CATHARINES.

F. King, M.D., M.H.O.

I beg to submit my second annual report on the sanitary and other conditions of the district for the year ending October 31st, 1909.

A glance at the tabulated matter as received from the Registrar will show the number of births, deaths, contagious or infectious diseases reported.

Under the head of vital statistics there were recorded during the year 249 births and 193 deaths. Of these premature or still births number 25, an increase over the previous year and a somewhat high percentage.

Of the total number of deaths amongst children there were: Under one year of age, 28; one to five years, 4; five to ten years, 1. An improvement as compared with previous years.

Of contagious or infectious diseases there were reported; Smallpox, 4; scarlet fever, 18; typhoid fever, 18; diphtheria, 17; whooping cough, 1; measles, 15.

Of the total mortality preventible diseases are accountable for: Scarlet fever, 0; tuberculosis, 16; diphtheria, 0; measles, 12; typhoid fever, 2; smallpox, 0; cancer, 10.

The death-rate per thousand of the population, as recorded by the Government Statistical Department, is placed at 18.1 per cent., being lower than that recorded in previous year.

These figures are those of the Provincial Government, and are based on the geometrical progression as found to have prevailed in the previous intercensial period. This system is that adopted by all Governments having decennial enumeration of the people, and while not always absolutely correct, except for the year the enumeration

takes place, it has been found by experience to be the only reliable plan to follow. The popular saying that figures "do not lie" does not always hold good in statistics of this kind. When it is so desired, they may be made to say anything.

It is gratifying to note a substantial decline during the year of preventible diseases. Of the 18 cases of typhoid fever recorded, 15 are reported by the hospital to have been contracted in outside municipalities and sent here for treatment. These cases should have been, and probably were, reported at the place of contagion.

It is also gratifying to note that deaths from the ordinary contagious or infectious diseases of children was nil.

I beg to notify the Board, however, that while the form of scarlet fever prevailing during the past few years has been of a very mild type, there has lately appeared in Western New York, including the city of Buffalo, a much more virulent form, and as a consequence the disease has been more fatal, as proved by the increased ratio of deaths therefrom.

It is noteworthy that the majority of preventible diseases occur in those congested sections of this city unprovided with sewers, and where the malodorous closets and cesspools are in universal use.

Sanitation.

It is satisfactory to record the general sanitary conditions of the city improved, due in part to the establishment of a garbage system, which may be imperfect and possibly expensive, the natural result of a new innovation; nevertheless, it has had the effect of cleaning out and keeping clean many dirty spots.

It is to be hoped that a system for "cleaning up" the whole city may be established in the near future.

A stricter supervision of all premises by the Sanitary Inspector, together with frequent notices for the removal of filth heaps, has also been a factor of this good work.

There is still much to be desired, and, as pointed out in last year's report, there exists no authorized system for the cleaning and disinfecting of the 2,000 vaults and cesspools in use, but much more work of this kind has been done under the direction of the Inspector, with beneficial results, and many vaults on streets provided with sewers have been abolished.

The so-called offensive trades have received attention. The keeping or storing of rags, bones and other refuse, heretofore a prolific source of complaint, has been placed on a more satisfactory basis, and the premises used for this industry are kept in a much more sanitary condition than heretofore.

I consider it in the best interest of the public health that industries of this kind should not be licensed, unless the buildings used therefor are situated at least 100 yards distant from the premises of any school; that no hogs shall be kept in the congested sections of the city, nor in any other part except in pens situated 50 yards from any school or dwelling-house, and 25 yards from any public street; that all stable manure should be moved weekly or oftener, or kept in a screened portion of the stable and treated, after each addition, with air-slacked lime.

The Food Supply.

The general characteristics referred to in last year's report, to a great extent, still prevail.

The Slaughter Houses.

The slaughter houses are still unsanitary, as are also the conditions under which much of the meat supply is produced.

A Committee of the City Council recently inquired into and reported on this important question, from which it is only necessary to note that upwards of 80 per cent. of old milch cows suffer from tuberculosis alone.

Since writing the above I learn that on Saturday, November the 27th, nearly three tons of inspected beef, bearing the Government Inspector's "Official Stamp," was brought into this market for local sale from the large city abattoirs, from which it is natural to infer that the general public are demanding this class of meats; if the latter sentiment is correct, the trade will supply the demand and the public can control the situation.

The Bakeries.

The most objectionable features observed and reported, as found at some of the bakeries last year, have been removed or improved. One on Geneva Street, however, should receive this Board's supervision.

The Milk Supply.

The conditions governing the milk supply, referred to in my last report, still exist as regards the unsanitary state of the cow byres. Little or no improvement may be expected until legislative action amends the present law.

The Ontario Government Milk Commission visited this district a short time ago; the conditions observed did not impress the members favourably. It is to be hoped that their report, when submitted to Parliament, may result in good.

The adoption of a milk-testing system has had the effect of improving the nutritive value of this supply, *i.e.*, its value as a food, and its delivery to the consumer at a lower temperature. The efforts of the Board, however, should be supplemented by assistance from the general public; every housewife should demand a clean, cold article, and should report any unfavourable condition observed.

Ninety-six samples of milk have been examined. The first test showed that only one sample contained the percentage of solids and butter fat required by the by-law, and some were found to contain as little butter fat as 1½ per cent.

The second test showed great improvement; two-thirds of the samples were above the standard of the by-law, and all showed a higher percentage of solids and fats.

The third test showed one-half of the samples examined to be of the standard required.

Milk should contain 12 per cent. of solids, this being made up of 3½ per cent. of butter fat, 4 per cent. sugar of milk, and 4½ per cent. of proteids.

Where the solids fall off the per cent. of water is increased, and while it is possible that the cow may sometimes put water in the milk through faulty feeding or other causes, it is more probable that the water too often comes from the cow with the iron handle.

One sample of milk and several samples of cream examined, produced the chemical reaction found when formaldehyde is present.

The above tests resulted as follows:

1st test—The average per cent of butter fat was 2.40 p.c.; lowest, 1½ p.c.

2nd test—The average per cent. of butter fat was 3.81 p.c; lowest, 3 p.c.

3rd test—The average per cent. of butter fat was 3.33 p.c.; lowest, 2.25 p.c.

I again repeat that the municipality granting the license to vendors should also have the power of controlling the milk supply, irrespective of the place of domicile of the vendor.

I again beg to draw the attention of the Board to Clauses 3 and 4 of the city By-law No. 885, and the provisions therein.

During the past year several cases of poisoning by foods such as cheese, cream, ice cream, candies and other confections have been reported; the symptoms were those of ptomaine poisoning. Bacteriology, unfortunately, has not yet reached that state of perfection through which the particular micro-organism causing the trouble can be isolated; under the existing law it appears impossible to get a conviction for the selling of such impure articles of diet. The general public, however, have the matter to a great extent in their own hands.

The Isolation Hospital.

The experience of the past year has demonstrated the necessity for a properly equipped and managed Isolation Hospital. The present institution cannot be said to meet the requirements of a modern home for contagious or infectious diseases, or for the treatment and care of this class of afflictions.

It would be of interest to know the cost of each public patient admitted. I have not been able to procure the data necessary to compute this amount, but recommend that the Committee of Management or the Executive Committee of the Board take up this important question.

The School.

It only requires a glance at the children going to or returning from school to cause the onlooker to realize that there exists an imperative necessity for the authorities to carry out the mandate as set forth in the Public School Act in regard to the inspection of the schools and pupils.

The best authorities on school hygiene hold "that it is in the highest degree incumbent upon the school authorities to provide the best attainable conditions, not only to protect, but to promote the health of the pupils committed to their care." At the present day, theoretically, the protection of the child's health is provided for by many laws and regulations, which in practice are ignored or neglected.

The chief reason for this discrepancy between the ideal and the real is a lack of observation. Parents and trustees do not recognize that eyesight is being impaired, normal growth prevented, blood poisoned, and the body starved because the hours of school life are so often unhealthy and abnormal. "School buildings are erected with a view to economical or exterior effect; an adequate system of heating and ventilating and a proper site pronounced too costly."

It is a common complaint that classrooms are overcrowded, and that too many pupils are assigned to a teacher, with the result that every additional pupil injures those who are already there and receives injury himself.

Vital statistics plainly show that wherever the measures for the prevention of disease are observed, the spread of those diseases is checked and the mortality reduced.

The school, because it assembles children from different homes and brings them into close contact, becomes a medium for the spread of disease.

The newer knowledge of the specific causes and propagation of contagion imposes a duty upon school authorities to exercise every care, lest the schools become agents in spreading disease. Regard for individual rights requires that no child should be exposed in school to infection or contagion if, by taking precautionary measures, such exposure may be avoided.

It should be remembered that the health of the child during the school years of its life determine, to a great extent, that of its future.

With reference to the sanitary and hygienic work for the future, I beg to refer the Board to the remarks of the speakers at the recent meeting of the Public Library Association, held in this city.

STRATFORD.

J. A. Robertson, M.D., M.H.O.

Considerable progress is being made towards the establishment of an Isolation Hospital, and it is to be hoped that the same will be completed in the near future.

It would be well for you to try and formulate some scheme for the removal of garbage; such is becoming a necessity.

I am pleased to state that the health of the city during the past year has been exceptionally good. There were in all 139 deaths, which, according to our population, made our death-rate a fraction over 9.26 per thousand.

From the so-called preventible diseases only seven deaths occurred—two from diphtheria, three from typhoid fever and two from whooping cough. Heart failure heads the list, there being 23 reported as having died therefrom. Pneumonia comes next, 14 having died from it. There are only three reported as having died from consumption, quite a diminution from previous years. Only four are reported to have died from old age.

On the whole we have much to be thankful for in our comparative freedom from contagious diseases during the year.

WINDSOR.

J. A. Ashbaugh, M.D., M.H.O.

In making a report this year I am not giving you any statistics, as Mr. Lusted includes that in his report. However, there are some things which I wish to draw your attention to, recommendations that have been made in previous reports.

The care of the garbage and alleys, as I have said before, could be better and more cheaply done by turning the whole matter over to the Board of Works. There are many reasons for this. In the first place, in doing it by contract it is simply impossible to keep the city clean for the amount of money paid the contractor. There should be more teams and men put on, and I feel quite satisfied that under the supervision of the Board of Works we would get much more satisfactory results both to ourselves and to the public.

Another question which is being taken into consideration, I believe, by the Finance Committee is the appointment of a competent Veterinary Surgeon, whose duty it will be to inspect dairies and cattle which supply the city with milk. Other duties which he should perform would be the inspection of meats exposed for sale in the city. I think that this is due to the public, and would be very much appreciated. I am enclosing you a report of the milk analysis, which I find, with the exception of a few cases, is up to the standard quality.

Another matter I mentioned three years ago was in reference to a by-law advocating the proper protection of foods exposed for sale. As you know, in many cases merchants will expose foods without any proper covering that are subjected to dust, dirt and oftentimes worse, and I think we should insist on them being properly covered and protected.

In regard to the question of water supply, there are many things to be taken into consideration. The river front, from Walkerville up to the Lesperance road and beyond, is rapidly being built up, and the sewage is increasing from year to year. The thousands of boats passing up and down stream are doing their part to contaminate the water. This is practically unavoidable. Therefore, in my opinion, the advantages to be obtained by taking the intake further up would in no way compensate for the large expense. I

firmly believe that the solution of the difficulty, which will perhaps be accomplished later on—I do not consider there is any urgent necessity at present—will be a sedimentation basin and filtration plant.

The general health of the city at present I consider unusually good. We only have at the present time three cases under quarantine, and conditions throughout the past year have been such that the general health has been very good. We have practically had no epidemics, and at present I fear nothing serious.

I wish to compliment Mr. Grieve and Mr. Hillier, our two inspectors, for their faithful attention to the duties prescribed to them, and assure you that they have been of great assistance to me in carrying out the health regulations.

WOODSTOCK.

A. McLay, M.D., M.H.O.

In accordance with the provisions of the Public Health Act, I beg to submit the following as my annual report *re* the health of our citizens and the sanitary condition of our city for the year ending November 15th, 1909.

I am pleased to congratulate you on the health of our citizens during the year. No epidemic visited us, and the number of what may be termed preventible ailments have been comparatively few, doubtless due in a great measure to our healthy surroundings, excellent water supply, well-graded streets, cement sidewalks, well-kept premises, and the active co-operation of a great majority of our citizens with your Board in sanitary matters.

Scarlet fever, measles, diphtheria and typhoid fever were sporadic, few in number as compared with some of the past years. Only 12 cards for scarlet fever, 10 for measles and three (3) for diphtheria were put up during the year, thus indicating the benefit of prompt isolation.

The managers of our factories and business places are to be congratulated on disallowing anyone exposed to contagious or infectious ailments to work therein.

Only one quarantine card is up at present.

We had three outbreaks of smallpox during the year, one case in December, 1908, three in March and nine in July, 1909, two of a severe type. No deaths. In no case was the ailment allowed to spread from the place where it was discovered. Vaccination was enforced. I am pleased to say that it was a complete success. It is too late in the day to consider proper vaccination a debatable question. Early diagnosis, prompt isolation, and vaccination are our safeguards. I would recommend a more rigid enforcement of the Vaccination Act, and that all children previous to attending school be vaccinated; also that two rooms be added to the Isolation Hospital, in order to provide proper accommodation for a medical attendant and nurse when such are required. And that the city water be installed in the building.

I would again recommend that you favour the grouping of two or more contiguous counties, with a view to the securing of a "Sanitarium" for the comfort, treatment and isolation of consumptives. Such an institution is much needed, especially by the poor, as under the present conditions they cannot be properly cared for.

Our Provincial Government has provided considerable financial aid for the erection and maintenance of such an institution.

Would again draw your attention to the necessity of draining and grading the lanes in the rear of our business places; by so doing would add to the comfort and health of those occupying buildings abutting thereon.

Our scavengers have done fairly good work during the year. Our system is far from perfect and must be remedied. Official dumping grounds are a necessity.

Herds, byres, water supply and cooling stations were inspected twice during the year by our Veterinary Surgeon. His reports were very satisfactory, and indicated that our milk supply came from a good source. I would recommend that his reports be sent to the Health Department.

Milk was tested monthly; the quality was good and none came below the minimum standard. Only two complaints reached me during the year.

Number of deaths during the year, 108, a fraction over 10 per 1,000—a very low mortality.

The mortality amongst the aged was high; 33 died between 70 and 89, the average being 77.

The mortality amongst the young was very low, only eight dying between the ages of four days and eleven years.

Number dying from—	Old age	13
	Tuberculosis	8
	Bronchitis	3
	Pneumonia	12
	Heart disease	8
	Rheumatism	4
	Cancer	3
	Paralysis	4
	Pleurisy	1
	Diphtheria	1
	Pernicious anemia	3
	Apoplexy	1
	Typhoid fever	2
	Meningitis	3
	Peritonitis	2
	Convulsions	3
	Cholera infantum	3

In conclusion, permit me to say that Woodstock has the reputation of being one of the most beautiful and healthy cities in the Province. Let us endeavour to retain it.

Reports of Medical Health Officers in Towns of 5,000 Population and Over.

(As received by the Secretary.)

BARRIE.

A. T. Little, M.D., M.H.O.

In presenting my report for the year 1909 as Medical Health Officer I have to congratulate you on the increased interest being taken in sanitary matters; and also the improvements being made in our sewerage system in its extension work will add greatly to the health of our citizens.

There has been an increase in the number of contagious diseases reported, notably that of scarlet fever. Typhoid was also prevalent during the late summer and fall months. Many of the cases, however, came from the adjoining townships and northern towns. Most of these cases received treatment in the Royal Victoria Hospital. Treatment of typhoid in our hospital prevents the infection of other members of the household, and should be encouraged by our local authorities.

In all 46 cases of scarlet fever were reported, with two deaths. Typhoid claimed five deaths. Whooping cough, one death.

Our so-called Isolation Hospital is quite inadequate for reception of patients, owing to its location, lack of sanitary arrangements and modern conveniences. The Sanitary Inspector has endeavoured to keep it in a proper condition, but without success, as it appears to be the lodging place for tramps and other undesirables. I would recommend that it should not be re-rented, but that its place be taken by a cottage hospital, which could be erected and equipped at a small cost. As the present building costs the municipality over $120 per year, and the cost of opening it for the reception of patients would be an additional expense, the additional cost of erecting a small modern building would be very small. The nursing staff of the Royal Victoria Hospital might be utilized.

The inspection of the town has been well looked after by our Sanitary Inspector, who has been most assiduous in the discharge of his duties.

The recent milk by-law passed by the Council will enable us to carry our inspection of dairies out of the town, and will be a safeguard to our milk supply.

Our town dairymen have shown a great improvement in the manner in which they handle milk to their customers.

Our town water continues to be pure, as shown by the several samples submitted to the Provincial Board of Health.

A more stringent by-law should be enacted prohibiting the placing of cesspools, etc., in undesirable quarters; also to compel parties to connect their houses with sewers wherever practicable.

BERLIN.

J. McGillawee, M.B., M.H.O.

I beg to submit the Medical Health Officer's Report for the year 1909.

With the exception of those caused by whooping cough, the number of cases of infectious diseases has been small. An epidemic of whooping cough, which spread over the town, appeared in the early part of the year and continued during the summer.

Eleven deaths have been reported caused by whooping cough and its complications.

There were nine cases of scarlet fever. Three of these cases were in the Berlin Orphanage. The institution was put to a great deal of inconvenience on account of there being no place to which the infected children could be removed. No deaths from scarlet fever.

Three cases of diphtheria. No deaths.

Two deaths were reported from typhoid fever. There is no record of typhoid cases, but from what I can learn the number has been few compared with other years, and the majority of the cases were light.

Seven deaths are reported caused by tuberculosis.

BROCKVILLE.

A. J. Macauley, M.D., M.H.O.

In making my annual report I beg leave to state that the number of contagious diseases reported has been unusually small, there being only two of diphtheria, ten of scarlet fever, six of chickenpox, and two of measles, with one death from scarlet fever.

Of infectious diseases the number is unfortunately greater, there being fifty-seven cases reported, with three deaths, due directly or indirectly to typhoid.

While the cause of the outbreak has been undoubtedly traced to the town's water supply, many samples having been selected at different times from various sources and many of such found suspicious, no definite remedy, except boiling, has yet been reached, although the matter is now in the hands of a Sanitary Engineer and we hope soon to have a favourable report from him.

There has been a greater number of milk tests made during the year, and on the whole they have been very satisfactory, although, in a few instances some were suspicious; for the latter part of the year they have been very satisfactory.

Our hospital for smallpox is now completed and furnished, and could be put in readiness for occupation in a few hours.

The number of deaths reported during the year is 152, and the number of births 217.

COBALT.

C. H. Hair, M.D., M.H.O.

Typhoid Fever.—During the spring and early summer months an occasional mild case of fever broke out, but the epidemic from which we suffered began in the early part of August, the cases reported from the 1st of August in town and township being 1,102, and were as follows:—

Cases sent out of town (adults)	146
Cases in Red Cross Hospital	421
Cases in Municipal Hospital (two children)	88
Cases in town (adults)	351
Cases in town (children)	96
Total	1,102

Number of deaths 67, and were complicated as follows in twelve instances: Eight with diphtheria and septic throat, one acute tuberculosis, one sarcoma of the face, two complicating child-birth.

Therefore deaths with the usual complications were 55, or 5.08 per cent., or about 6.08 per cent. including the complications, which is a very fair or even low death rate.

In view of the fact that so many cases were treated outside of the hospital, and as there is no sewerage system, I fear we may expect cases to occur next spring and summer unless the season is favourable, a strict sanitary inspection kept up and a thorough disinfection made.

I would therefore recommend that all closets be kept thoroughly cleaned and that lime be supplied to the scavengers to sprinkle in abundance around the old earth closets

Scarlet Fever.—There were no cases of Scarlet Fever.

COLLINGWOOD.

D. McKay, M.D., M.H.O.

I herewith submit to you my Annual Report of the Health Department of the town of Collingwood, for the year ending October 30th, 1909.

The number of births—188.

The number of deaths—117. Twenty (20) of the 117 were non-resident, 8 were still-born, 13 old age, 1 accidental drowning, 5 tuberculosis, 6 typhoid, and 21 children under two years. Thus you will note that after deducting the still-born, old age and accidental drowning, that the actual number of deaths from disease, to residents of our town, was about 10.5 per thousand (taking the population to be 7,000), which is comparatively low.

I wish to congratulate the Council on the passing of the Plumbing By-law, which, I believe, is having good effect and undoubtedly will assist in the health of the town. I hope your Council will soon complete the by-law regulating the sale of milk, the examination of all dairies, etc. In this connection I wish to call your attention to this fact that we have had 21 deaths in children under two years. Faulty feeding will account for many of these deaths. Milk is undoubtedly one of the very best nourishments we can possibly have, if pure, and a disease producer, specially in children, if impure. The sources of these impurities are unhealthy cows, dirty udders, filthy stables and barn yards and unclean dairy utensils. And these impurities are further increased by the germs rapidly multiplying by leaving it in a warm place after being milked. Every housewife knows good milk and should demand a pure, clean product. If it has dirty settlings, get after the milk man. Notice his wagon, the way he protects the milk from the sun and the general cleanliness with which he handles his product.

I also wish your Council would consider the establishment of a public abattoir. Meat is one of the staple articles of diet, and if diseased will undoubtedly propagate disease to man. There are many diseases which may gain entrance into our system in this way, but the one we dread the most is tuberculosis. The only way to be sure that all meats offered for sale are free from disease and wholesome is to have all animals examined by a competent inspector while being slaughtered.

I have tested the milk regularly and found it nearly always to be up to the standard of butter fat and purity.

The town water has been regularly tested by the Provincial Board of Health, and no impurities have been reported.

We have had several cases of typhoid, though not nearly so many as last year. Quite a number of these were from out of town, especially from up the lakes. If all people were particular about cleanliness in their homes and surroundings I am quite convinced that typhoid would be very much lessened. We have had very few contagious diseases, and when any have come under my notice they have been promptly placed under quarantine. I am pleased to say that the local physicians have always shown promptness in reporting such cases. I would appreciate any complaints about suspicious cases of contagious diseases, such as scarlet fever, smallpox or diphtheria. Sometimes, the holder, owing to the mild case, does not employ a physician, and possibly the child, after a short interval, continues to go to school. These are the cases that are the causes of epidemics.

I am pleased to thank the Chairman, members of our Local Board of Health and Sanitary Inspector for so cheerfully giving their time and assistance in all matters of public health.

GALT.

T. W. Vardon, M.D., M.H.O.

In making this my annual report for the year ending October 31st, 1909, I am pleased to say that the health and sanitary conditions of our town have been almost all that could be desired during that period.

The total number of deaths from all causes including still-born were 125, while the number of births was 170. There have only been two deaths each from diphtheria and typhoid fever and eleven deaths from tuberculosis. The total death rate, deducting the still-born and those who died in the hospital from outside places, is only a fraction of ten per thousand of our population.

With the exception of a few scattered cases of diphtheria and scarlet fever, we have not had anything serious to contend with.

In all cases where any disease such as Diphtheria, Scarlet Fever and Tuberculosis were reported, the premises have been thoroughly disinfected. The public buildings, churches and schools are in nearly all cases connected with the sewer, and said buildings are in a good sanitary condition.

The Swiss Cottage has been improved by having a cement foundation put under it and chimneys erected thereon, it still requires to be rough-casted on the outside and painted, which I hope may be accomplished next spring.

The milk tests made during the year show that in nearly all cases the butter fats have been up to or over what is considered normal milk, viz., 3.5 of butter fats. I am pleased to say that a number of our milk dealers are now delivering the milk in bottles, and I hope that the remaining ones will soon adopt this method.

A garbage system for the town is now well under way of organization, and I hope by the spring that it will be accomplished and in operation.

I would recommend the Council to pass a by-law licensing Laundries and Restaurants that they may be under the supervision of the Board of Health.

There have been 132 permits taken out during the year for connecting with the sewers, it is imperative that all those who live on the lines of the sewer should have their premises connected thereto forthwith—both from a sanitary standpoint and and also as the sanitary contractor is having difficulty in finding a suitable place for the disposal of night soil. The depositing of raw sewage and other obnoxious materials into streams and rivers must cease, and there can be no good excuse offered where the sewer passes the premises of those who are disobeying the law.

It may seem a financial hardship for those who live on lines of sewers to make connection therewith, but as in all reforms sacrifice has to be made, and in the case where the health of the public is concerned, to say nothing of the convenience and benefits derived by those concerned, this sacrifice should be made willingly. Thanking you, gentlemen, for your loyal co-operation and support.

LINDSAY.

J. McALPINE, M.D., M.H.O.

During the past year we were fortunate in having only one case of smallpox, and that an imported one which was diagnosed in the early stage and immediately placed in quarantine and all precautions taken to protect the public, and it is gratifying to state that no other case developed, and it is especially so when we consider the enormous expense, inconvenience and personal hardship some of our neighbouring towns experienced through failing to deal promptly with the first cases. This should be a guide for the Board in dealing with other infectious diseases such as diphtheria and scarlet fever, which in my opinion are more fatal than, and therefore more to be dreaded than, smallpox.

Fifty families have been reported as having scarlet fever, and many of these families had several cases. There were only two deaths, which go to show that the disease has been of a mild type, but there is always the possibility that it may assume a severe or malignant type, such as visited the town in908. If more attention were given to the mild cases much of the ear and kidney disease which can be traced to scarlet fever would be prevented, and I am convinced that many cases of chronic heart disease have their inception in mild cases of scarlet fever, and if we are to judge from statistics and newspaper reports there is an alarming increase in the death rate from heart disease, so that every effort should be put forth to trace the cause of the increase.

Scarlet fever should and could be stamped out as readily as smallpox. It is a preventable disease and should not exist in our midst.

I would advise the Board of Health to provide a Convalescent Home, where all cases could be cared for during the peeling stage, thereby concentrating the infection in one place instead of having a number of centres of infection.

Typhoid fever showed a gratifying decrease during the year. In 1908 there were thirty cases admitted to the Ross Memorial Hospital, of which fifteen originated in town. Since January the 1st only fifteen cases were admitted, eight of which belonged to Lindsay, and on careful investigation it was found that all the cases actually originating in town were from families using well water, not a single case was traceable to the public water supply. That the citizens of Lindsay have not been slow to appreciate the boon of pure water is shown by the increasing number of applications for town water, there having been twice as many applications as in any previous year, and citizens are loud in their praise of the enterprise of the Board of Water Commissioners in being the first to adopt a method of water purification which is cheap and efficient, far more so than any other known method. Practical tests of the ozonized water were made during the summer by Dr. Archibald of the University of Toronto, which showed a removal of all intestinal germs and a reduction of the water bacteria to less than 20 per c.c. On the strength of this showing the Water Commissioners had the plant enlarged, so that at the present time it has a daily capacity of a million and a half gallons. All the water admitted to the mains for fire, lawns, manufacturing and all domestic purposes is thus purified and the mains saved from contamination at all times.

There were seven cases of diphtheria with two deaths, those two being in an advanced stage before medical aid was called, and even though antitoxin was freely used it was of no avail; but by the free and generous supply of antitoxin by the Board to families who could ill afford to provide it, several lives have been saved.

There has been considerable discussion as to the advisability of paving the streets. To my mind it is a sanitary question that you as a Board should seriously consider. The Lindsay mud during the spring and fall and the dust during the summer would be materially lessened by having the leading streets paved, and I feel quite certain that when the Suffragettes win, among the first reforms will be good drainage, paving of the streets and a general crusade against filth, mud and dust which women innately abhor. I wish to thank you for your cordial and generous support during the past year, also the Sanitary Inspector for his prompt and faithful assistance.

SARNIA.

A. C. Poussette, M.D., M.H.O.

In accordance with instructions contained in the Medical Health Act I beg to report as follows:—

The santary condition of the town has been carefully looked after during the past year, both by myself and the Sanitary Inspector; but notwithstanding the care taken to have all nuisances abated and the excellent sewer system which we have, there has been a great prevalence of zymotic disease during the past year. In the early months there were some cases of Scarlet Fever and Diphtheria, and later on Typhoid Fever was very prevalent, but it was not until the beginning of November that we had an extremely severe outbreak of Scarlet Fever and Diphtheria. During the last three months I have had thirty-three (33) houses quarantined for Diphtheria and sixteen (16) for Scarlet Fever, and I am not able to state exactly how many persons were affected for the reason that when once the house was placarded, subsequent cases in the same house were seldom reported by the attending physician.

A majority of those attacked have recovered, and so far as I know there have only been two deaths. There are still twelve (12) houses under quarantine, and a few of these are new cases that have occurred during the last two weeks. A large portion of my time during the last two months has been taken up by this epidemic, and Inspector Harris has been kept continually on the run and the end is not yet.

On or about November 18th I had the Devine Street Public School closed as, up to that time, nearly all the diphtheria cases were from among the pupils of that school. On November 20th every part of the school was thoroughly disinfected.

On December 16th I closed the Durand Street School, as several cases of Scarlet Fever had broken out among the scholars of that school. The Board of Education have undertaken to have all the schools disinfected during the vacation.

During the year that has now all but passed away I have been employed on Board of Health business portions of one hundred and nineteen days.

I have made thirty-one visits and inspections. I have attended five meetings of the Board and three of the Executive Committee. I have during the year written and sent out thirty-seven letters and cards. I sent several samples of water taken from different hydrants in town to the Laboratory of the Provincial Board of Health for examination. Some were found to be satisfactory and some not.

On the twenty-first (21st) of September I tested twenty (20) samples of milk taken from the vendors supplying the town, and had the results published.

Forty-Second Annual Report

OF THE

Inspector of Prisons and Public Charities

upon the

Hospitals for the Insane

OF THE

PROVINCE OF ONTARIO

Being for the Ten Months ending 31st October

1909

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1910

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TORONTO.

Parliament Buildings,

Toronto, January 22nd, 1910.

To the Honorable JOHN MORISON GIBSON, K.C., LL.D., *Lieutenant-Governor of the Province of Ontario.*

May it Please Your Honor:

I beg to submit herewith the Forty-second Annual Report upon the Hospitals for the Insane of Ontario, being for the official year ending on the 31st October, 1909.

I have the honor to be,

Your Honor's most obedient servant,

W. J. HANNA,

Provincial Secretary.

Office of the

Inspector of Prisons and Public Charities, Ontario,

Parliament Buildings, Toronto, January 15th, 1910.

Sir,—We have the honor to transmit herewith, to be presented to His Honor the Lieutenant-Governor, the Forty-second Annual Report upon the Hospitals for the Insane of Ontario, being for the official year ending 31st October, 1909.

We have the honor to be, Sir,

Your obedient servants,

C. R. W. POSTLETHWAITE,

EDWIN R. ROGERS,

Inspectors.

The Honorable W. J. Hanna, M.P.P.,

Provincial Secretary of the Province of Ontario,

Toronto.

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REPORT

Of C. R. W. Postlethwaite, Inspector of Prisons and Public Charities for ten months, from January 1st, 1909, to October 31st, 1909.

Change in Fiscal Year.

Owing to the change in the fiscal year to 31st October instead of 31st December, the Annual Report is for a period of ten months only.

General Operations.

On 31st October, 1909, exclusive of Insane patients in the Homewood Sanitarium at Guelph, the Hospital for Idiots at Orillia, and the Hospital for Epileptics at Woodstock, there were in the Hospitals for the Insane in Ontario 5,531 persons, divided as follows:

Males	2,634
Females	2,897

The net increase in the population for the ten months was 40. The applications for admission are greatly in excess of the accommdation, and it is almost imperative that steps should be at once taken to relieve the present condition.

There are many patients in the Hospitals who could be transferred to Houses of Refuge, and if the municipalities would consent to the transfer being made, it would relieve the situation very much, but our efforts in that direction have met with little or no success even with the municipalities who have patients waiting to be transferred to the Hospitals.

Revenue.

The amount collected from paying patients for the ten months ending 31st October, 1909, was $140,048.18, to which is added the amount collected from the municipalities under the provisions of 5 Edward VII., Chapter 9—$100,188.60, making a total revenue collected of $240,230.78.

Movement of Patients.

The daily average of patients in the Provincial Hospitals for the Insane was 5,500.

The total admissions for the ten months were 843.

The total number of deaths was 259.

The total discharges were 450, divided as follows:

Discharged	recovered	277
"	improved	152
"	unimproved	21
"	not insane	1

Training School for Nurses.

As outlined in the Annual Report of 1908, the Training School for Nurses was inaugurated this year, classes of instruction being formed at the Hospitals at Kingston, Hamilton, Toronto, Mimico, Brockville and London. The course of instruction in the classes will tend to greatly improve the efficiency of the nurses and attendants.

The examinations will be held annually, the first of the series being held in May, 1910.

Deportations.

The deporting of undesirables is an important branch of work in this Department. During the ten months 168 persons were deported out of the country. This means a saving to the Province of over $400,000 for the maintenance of the insane only. The following table shows the number of persons deported for the years 1906, 1907, 1908 and 10 months of 1909:

Year.	Insane.	Criminal.	Likely to become a public charge.	Total.
1906	19	....	....	19
1907	54	4	29	87
1908	65	81	117	263
1909 (10 months)	28	88	52	168
	166	173	198	537

C. R. W. Postlethwaite,
Inspector.

REPORT

Of Edwin R. Rogers, Inspector of Prisons and Public Charities.

At the end of another year, on the 31st of October, 1909, there were in residence 5,531 patients in the different Hospitals for the Insane throughout the Province, being an increase of 40 for the ten months at the end of the financial year.

Throughout the year many improvements have been made in nursing and care of the patients, and new equipments have been installed in many of the larger institutions for the better bathing of the patients. A general improvement has been made throughout the different departments of the institutions.

Improvements in Buildings.

The interiors of the many buildings at the different institutins have been thorcughly renovated, and many changes have been made fr the better care of the patients.

At the Hospital for the Insane at Hamilton a three storey addition was made to the laundry, which adds greatly to the facility for handling the work at that institution. The workshop at the quarry was improved, and the stonework for a large piggery was gotten out by the mason and his assistants.

At the Hospital for the Insane at Mimico a new barn, with cow and horse stables, was erected, with the addition of two large cement silos and an icehouse for the storing of milk immediately after milking.

At the Hospital for the Insane at London a covered curling and skating rink was completed, and two three-storey balconies were added to the main building, which are a great benefit to the patients in the advantage that they get by access to the outside air during the stormy weather.

At the Hospital for the Insane at Penetanguishene the power-house was overhauled and an electric plant installed, which greatly reduces the cost of electric light at the institution. A modern cow stable was erected, and in addition a root-house, granary and slaughter-house were added, which gives this institution every facility for the killing of its own cattle. The farm across the Bay was used during the year, and a new dock built.

Throughout all the institutions patient labour is encouraged as far as is consistent with the work able to be done by the patients, and it is interesting to note that the patients are as anxious to assist in the labour as the attendants themselves.

The revenue derived from farming operations throughout all the institutions is still a very large item, and the most of the institutions are supplied throughout the year with vegetables and produce grown on their own grounds.

Statements of Expenditure.

Tables are submitted with the Report, which show the expenditure on maintenance and the per capita cost per day for consumption under the different headings of the estimates for the year.

E. R. Rogers,
Inspector.

TABLE

Showing movements of patients in the Hospital

	Toronto Hospital.			London Hospital.			Kingston Hospital.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	426	426	852	511	555	1,066	315	291	606
In Residence, Dec. 31st, 1908	413	456	869	540	563	1,103	312	268	580
Admitted during year 1908:—									
By Warrant	43	11	54	27	9	36	11	4	15
By Medical Certificate	64	73	137	63	66	129	36	40	76
Total number under treatment during year	520	540	1,060	630	638	1,268	359	312	671
Discharges during year:—									
As recovered	16	16	32	40	34	74	22	11	33
As improved	23	18	41	21	24	45	14	6	20
As unimproved	4	2	6	3	1	4	1	4	5
As not insane	1	....	1	.....	.....	.....	.....	.....	.....
Total number discharged during year	44	36	80	64	59	123	37	21	58
Died	32	22	54	21	23	44	10	3	13
Deported	8	3	11	1	.....	1	.....	1	1
Eloped	10	.....	10	1	1	2	2	.....	2
Transferred	4	6	10	2	.....	2	.....	5	5
	98	67	165	89	83	172	49	30	79
Total number admitted since opening of Hospital	5,393	5,137	10,530	3,268	2,926	6,194	2,336	2,033	4,369
Total number discharged since opening of Hospital	2,738	2,753	5,491	1,334	1,250	2,584	984	897	1,881
Total number died since opening of Hospital	1,466	1,193	2,659	1,038	868	1,906	729	558	1,287
Total number deported since opening of Hospital	30	4	34	4	.....	4	2	2	4
Total number eloped since opening of Hospital	118	15	133	112	13	125	69	1	70
Total number transferred since opening of Hospital	649	703	1,352	239	240	479	242	293	535
Total remaining in Hospital Oct. 31st, 1909	422	473	895	541	555	1,096	310	282	592
Number of applications on fyle	67	27	94	17	8	25	.....	.....	.....
Daily average population			864			1,100			583
Collective days' stay of all patients in residence during year			262,668			334,381			177,399

No. 1.

for the 10 months ending October 31st, 1909.

Hamilton Hospital.			Mimico Hospital.			Brockville Hospital.			Cobourg Hospital.			Penetang Hospital.			Totals.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
567	612	1,179	300	300	600	330	330	660	...	146	146	165	202	367	2,614	2,862	5,476
541	605	1,146	304	311	615	345	349	694	...	146	146	159	179	338	2,614	2,877	5,491
37	15	52	35	18	53	5	...	5	...	4	4	7	18	25	166	80	246
44	56	100	21	35	56	38	43	81	...	3	3	7	10	17	272	325	597
622	676	1,298	360	364	724	388	392	780	...	153	153	173	207	380	3,052	3,282	6,334
23	22	45	28	21	49	18	19	37	...	...	...	8	2	10	155	126	280
6	8	14	6	13	19	2	11	13	...	...	...	...	...	...	72	80	152
1	2	3	1	.....	1	2	.....	2	...	...	...	...	...	...	12	9	21
.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	...	...	...	...	.....	.....	1
30	32	62	35	35	70	22	30	52	...	...	...	8	2	10	240	215	455
24	31	55	18	20	38	25	12	37	...	6	6	2	10	12	132	127	259
3	.....	3	3	1	4	.....	2	2	...	...	...	1	...	1	16	7	23
1	.....	1	5	.....	5	1	.....	1	...	...	...	1	...	1	21	1	22
.....	3	3	5	13	18	.....	8	8	...	1	1	1	...	1	12	36	48
58	66	124	66	69	135	48	52	100	...	7	7	13	12	25	421	386	807
2,633	2,685	5,318	1,291	1,234	2,525	1,080	1,049	2,129	...	219	219	218	246	464	16,219	15,529	31,748
981	1,131	2,112	379	360	739	339	400	739	...	6	6	14	11	25	6,742	6,795	13,437
807	708	1,515	356	330	686	355	246	601	...	51	51	28	33	61	4,779	3,987	8,766
9	1	10	17	2	19	3	2	5	...	1	1	6	1	7	72	15	87
86	7	93	29	.....	29	24	2	26	...	...	...	3	...	3	441	38	479
186	228	414	206	245	451	19	59	78	...	15	15	6	7	13	1,547	1,790	3,337
564	610	1,174	297	296	593	340	340	680	...	146	146	160	195	355	2,634	2,897	5,531
10	9	19	16	6	22	15	13	28	...	...	...	...	...	...	125	63	188
1,164			599			690			145			355			5,500		
353,889			181,955			209,750			44,162			107,896			1,672,100		

TABLE

Showing the general movement and result of treatment of patients in the Hospitals 1877, to the 31st

	Average daily Population.			Number of patients admitted.			Number of patients recovered.			Patients discharged improved, unimproved and deported.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Average for 5 years												
1877-1881	**1,026**	**1,047**	**2,073**	**250**	**237**	**487**	**76**	**69**	**145**	**32**	**36**	**68**
Average for 5 years												
1882-1886	**1,312**	**1,330**	**2,642**	**264**	**234**	**498**	**82**	**87**	**169**	**36**	**40**	**76**
Average for 5 years												
1887-1891	**1,586**	**1,532**	**3,118**	**314**	**306**	**620**	**88**	**85**	**173**	**38**	**46**	**84**
Average for 5 years												
1892-1896	**1,894**	**1,932**	**3,826**	**354**	**394**	**748**	**106**	**111**	**217**	**44**	**55**	**99**
1897	2,097	2,157	4,254	507	398	905	107	116	223	42	52	94
1898	2,153	2,215	4,368	349	411	759	122	129	251	54	59	113
1899	2,183	2,258	4,441	368	343	711	116	145	261	48	47	95
1900	2,197	2,288	4,485	352	370	722	121	133	254	28	44	72
1901	2,236	2,368	4,604	372	370	740	145	130	275	26	31	57
Average for 5 years												
1897-1901	**2,173**	**2,257**	**4,430**	**389**	**379**	**767**	**122**	**131**	**253**	**40**	**46**	**86**
1902	2,249	2,461	4,710	381	578	959	121	139	260	51	61	112
1903	2,283	2,490	4,773	404	416	820	146	176	322	41	60	101
1904	2,346	2,551	4,897	486	537	1,023	146	156	302	39	60	99
1905	2,396	2,616	5,012	511	538	1,049	149	166	315	64	57	121
1906	2,478	2,699	5,177	517	568	1,085	142	172	314	79	76	155
Average for 5 years												
1902-1906	**2,350**	**2,564**	**4,914**	**456**	**527**	**983**	**141**	**162**	**303**	**55**	**63**	**118**
1907	2,511	2,747	5,258	568	528	1,096	146	166	312	118	97	215
1908	2,586	2,814	5,400	577	547	1,124	115	109	224	147	99	246
1909	2,629	2,871	5,500	438	405	843	152	125	277	100	97	197

No. 2.

for the Insane of the Province during the thirty-two years from January 1st, October, 1909.

Number of patients who died.			Percentage of recoveries to average daily population.			Percentage of deaths to average daily population.			Number of patients remaining in Hospital at end of each year.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
70	**55**	**125**	**7.41**	**6.59**	**6.99**	**6.82**	**5.26**	**6.03**	**1,057**	**1,087**	**2,144**
91	**63**	**154**	**6.25**	**6.54**	**6.39**	**6.94**	**4.74**	**5.83**	**1,329**	**1,446**	**2,775**
88	**83**	**171**	**5.56**	**5.88**	**5.55**	**5.56**	**5.42**	**5.48**	**1,600**	**1,601**	**3,201**
124	**93**	**217**	**5.59**	**5.75**	**5.67**	**6.55**	**4.82**	**5.69**	**1,910**	**1,955**	**3,865**
145	117	262	5.10	5.38	5.24	6.91	5.42	6.17	2,116	2,163	4,279
130	108	238	5.67	5.88	5.77	6.04	4.88	5.46	2,152	2,236	4,388
160	132	292	5.31	6.42	5.87	7.28	5.85	6.57	2,176	2,251	4,427
136	133	269	5.51	5.82	5.67	6.19	5.81	6.00	2,198	2,300	4,498
150	107	257	6.48	5.47	5.97	6.70	4.52	5.61	2,236	2,368	4,604
144	**120**	**264**	**5.61**	**5.79**	**5.70**	**6.62**	**5.29**	**5.96**	**2,175**	**2,264**	**4,439**
158	129	287	5.38	5.65	5.52	7.02	5.24	6.09	2,248	2,464	4,712
150	139	289	6.39	7.07	6.75	6.57	5.58	6.05	2,287	2,492	4,779
172	163	335	6.22	6.12	6.18	7.35	6.39	6.84	2,328	2,543	4,871
141	147	288	6.22	6.34	6.28	5.88	5.62	5.75	2,435	2,657	5,092
173	184	357	5.73	6.37	6.06	5.73	6.37	6.06	2,491	2,720	5,211
159	**152**	**311**	**5.99**	**6.31**	**6.15**	**6.51**	**5.84**	**6.18**	**2,358**	**2,575**	**4,933**
197	176	373	5.82	6.04	6.01	7.84	6.41	7.09	2,549	2,765	5,314
193	158	351	4.45	3.87	4.15	7.46	5.61	6.50	2,614	2,877	5,491
132	127	259	5.89	4.38	5.11	5.02	4.42	4.71	2,634	2,897	5,531

TABLE No. 3.

Showing the Counties and Districts from which patients have been admitted during the 10 months ending October 31st, 1909, and the Hospitals they were assigned to.

Counties and Districts.	Number received under warrant process.	Number received from private houses by medical certificates.	Total number received from respective counties during the year.	Assigned to Toronto Hospital.	Assigned to London Hospital.	Assigned to Kingston Hospital.	Assigned to Hamilton Hospital.	Assigned to Mimico Hospital.	Assigned to Brockville Hospital.	Assigned to Cobourg Hospital.	Assigned to Penetang Hospital.
Algoma District	7	3	10	....	....	....	....	10	....	....	....
Brant	3	6	9	1	....	....	8	....	....	....	....
Bruce	7	6	13	....	13	....	....	....	....	....	....
Carleton	2	22	24	....	....	....	....	....	23	1	....
Dufferin	3	4	7	1	....	....	5	1	....	....	....
Dundas	....	7	7	....	....	1	....	....	5	1	....
Durham	2	5	7	4	....	3	....	....	....	....	....
Elgin	1	12	13	....	12	....	1	....	....	....	....
Essex	1	11	12	....	12	....	....	....	....	....	....
Frontenac	1	21	22	....	....	21	....	....	....	1	....
Glengarry	1	5	6	....	....	....	....	....	6	....	....
Grenville	....	2	2	....	....	....	....	....	2	....	....
Grey	11	12	23	....	2	....	21	....	....	....	....
Haldimand	2	7	9	....	....	....	9	....	....	....	....
Halton	4	5	9	....	....	....	8	1	....	....	....
Hastings	5	21	26	3	....	22	....	1	....	....	....
Huron	2	15	17	....	14	....	....	1	....	....	2
Kent	3	7	10	....	10	....	....	....	....	....	....
Lambton	6	17	23	....	20	....	1	....	....	1	1
Lanark	1	14	15	....	....	1	....	....	14	....	....
Leeds	1	19	20	....	....	....	....	....	20	....	....
Lennox and Addington	5	6	11	1	....	7	....	....	....	2	1
Lincoln	1	5	6	1	1	....	3	....	....	....	1
Middlesex	15	42	57	....	55	....	....	1	1	....	....
Muskoka District	3	3	6	....	....	....	....	5	....	....	1
Nipissing District	5	5	10	2	....	....	1	7	....	....	....
Norfolk	1	5	6	....	....	....	4	....	....	....	2
Northumberland	6	13	19	2	1	15	....	1	....	....	....
Ontario	9	9	18	2	....	....	....	11	....	....	5
Oxford	2	6	8	....	7	....	1	....	....	....	....
Parry Sound District	2	1	3	....	....	....	....	3	....	....	....
Peel	2	7	9	1	....	....	....	8	....	....	....
Perth	3	13	16	....	16	....	....	....	....	....	....
Peterborough	1	5	6	....	....	....	....	6	....	....	....
Prescott	....	1	1	....	....	....	....	....	1	....	....
Prince Edward	2	3	5	....	....	4	....	....	....	1	....
Rainy River District	5	1	6	1	....	....	....	4	....	....	1
Renfrew	2	14	16	....	....	16	....	....	....	....	....
Russell	....	5	5	....	....	....	....	....	5	....	....
Simcoe	14	18	32	....	....	....	....	13	....	....	19
Stormont	1	8	9	....	....	....	....	....	9	....	....
Thunder Bay District	14	.....	14	....	....	....	1	12	....	....	1
Victoria	5	5	10	1	....	....	....	8	....	....	1
Waterloo	11	12	23	....	....	....	23	....	....	....	....
Welland	....	4	4	1	....	....	3	....	....	....	....
Wellington	2	16	18	....	1	....	17	....	....	....	....
Wentworth	12	34	46	1	....	....	45	....	....	....	....
York	57	134	191	169	....	....	1	16	....	....	5
Unascertained	1	3	4	....	1	1	....	....	....	....	2
Totals	244	599	843	191	165	91	152	109	86	7	42

TABLE No. 4.

Showing the counties and districts from which the entire number of patients admitted to the Hospitals have been received, including the admissions of the present year; also the counties and districts from which the patients remaining in residence the 31st October, 1909, were originally admitted.

Counties and Districts.	Admissions of the year.	Total admissions.	Patients in residence 31st December, 1908.								
			Toronto Hospital.	London Hospital.	Kingston Hospital.	Hamilton Hospital.	Mimico Hospital.	Brockville Hospital	Cobourg Hospital.	Penetang Hospital.	Total.
Algoma District	10	166	6	1	....	3	28	....	....	16	54
Brant	9	532	3	40	....	91	2	....	1	1	138
Bruce	13	521	3	145	....	2	....	3	1	6	160
Carleton	24	1,112	4	2	49	2	....	185	2	3	247
Dufferin	7	124	3	.....	....	31	4	....	....	1	36
Dundas	7	218	....	.....	9	1	....	22	2	....	34
Durham	7	486	18	.....	10	.....	6	4	11	1	50
Elgin	13	533	2	84	....	2	1	2	2	3	96
Essex	12	460	1	7	....	1	1	3	1	2	16
Frontenac	22	1,144	3	.....	134	2	4	7	5	4	159
Glengarry	6	300	2	.....	10	3	.....	28	1	....	44
Grenville	2	351	1	.....	4	.....	....	32	....	....	37
Grey	23	627	6	2	....	113	9	2	6	13	151
Haldimand	9	337	....	.....	....	49	2	1	....	....	52
Halton	9	381	5	.....	....	44	3	1	2	1	56
Hastings	26	768	9	.....	91	.....	9	16	4	4	133
Huron	17	804	5	126	....	2	2	5	5	4	149
Kent	10	532	1	111	....	4	2	3	1	....	122
Lambton	23	711	2	89	....	3	2	5	4	2	107
Lanark	15	585	1	.....	24	.....	....	70	1	1	97
Leeds	20	486	2	.....	17	1	....	85	....	1	106
Lennox and Addington	11	413	2	.....	52	.....	....	4	4	6	68
Lincoln	6	522	2	1	....	62	1	2	3	2	73
Middlesex	57	1,831	3	277	1	9	4	9	9	9	321
Muskoka District	6	150	....	.....	....	4	15	....	....	14	33
Nipissing District	10	115	3	.....	....	2	23	1	1	2	32
Norfolk	6	352	....	2	1	58	....	1	....	2	64
Northumberland	19	692	14	.....	59	1	9	4	8	9	104
Ontario	18	746	18	.....	....	7	49	2	6	21	103
Oxford	8	633	4	89	....	5	3	1	1	3	106
Parry Sound District	3	70	2	1	....	2	16	....	....	2	23
Peel	9	450	12	.....	....	10	34	1	1	2	60
Perth	16	640	2	98	....	3	4	3	3	2	115
Peterborough	6	463	11	.....	2	1	64	1	8	5	91
Prescott	1	260	....	.....	4	.....	....	48	....	2	54
Prince Edward	5	240	1	.....	35	.....	1	....	2	....	39
Rainy River District	6	50	....	.....	....	1	13	....	....	3	17
Renfrew	16	411	2	.....	59	.....	....	9	1	1	72
Russell	5	84	....	.....	2	.....	....	22	....	....	24
Simcoe	32	1,008	13	3	1	35	66	2	8	76	204
Stormont	9	367	2	.....	8	5	....	54	2	1	72
Thunder Bay District	14	77	2	.....	1	4	18	1	....	3	29
Victoria	10	613	10	1	1	5	53	1	3	9	83
Waterloo	23	467	7	2	1	107	1	1	....	1	120
Welland	4	457	6	.....	1	70	1	2	....	1	81
Wellington	18	863	10	1	....	119	....	....	3	6	139
Wentworth	46	1,805	6	12	4	263	2	3	6	7	303
York	191	6,287	676	1	9	46	138	33	28	88	1,019
Unascertained	4	504	10	.....	2	1	1	3	....	15	32
Totals	843	31,748	895	1,096	592	1,174	593	680	146	355	5,531

TABLE No. 5.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month.....	141	80	6	5	4	13
From 1 to 2 months.....	89	87	19	4	5	11
" 2 " 3 "	61	62	21	10	1	13
" 3 " 4 "	42	77	18	6	1	10
" 4 " 5 "	32	90	20	10	1	6
" 5 " 6 "	33	98	23	11	1	11
" 6 " 9 "	42	220	52	24	2	10
" 9 " 12 "	28	133	43	13	.....	19
" 12 " 18 "	41	234	31	17	.....	16
" 18 months to 2 years	43	267	14	13	1	22
" 2 to 3 years	54	409	15	7	.....	20
" 3 " 4 "	33	430	7	6	1	17
" 4 " 5 "	36	296	2	4	1	16
" 5 " 10 "	60	1,060	7	14	1	29
" 10 " 15 "	20	794	1	3	1	17
" 15 " 20 "	14	588	.....	2	.....	11
" 20 years and upwards	31	606	1	3	1	18
Unknown	43	.....	.....	.....	.....	.....
Totals	843	5,531	280	152	21	259

TABLE No. 6.

Showing the causes of death of patients who died during 10 months ending October 31st, 1909.

Cause of Death.	Toronto Hospital.	London Hospital.	Kingston Hospital.	Hamilton Hospital.	Mimico Hospital.	Brockville Hospital.	Cobourg Hospital.	Penetang Hospital.	Total.
Specific Infectious Diseases:—									
Typhoid Fever	.....	.....	1	.....	1	.....	.....	.....	2
Influenza	.....	.....	.....	1	.....	.....	.....	.....	1
Cerebro-spinal Meningitis	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria	.....	.....	.....	.....	.....	.....	.....	.....	.....
Erysipelas	1	.....	.....	.....	.....	.....	.....	2	3
Septicæmia	2	.....	.....	.....	.....	.....	.....	.....	2
Dysentery	2	1	.....	2	4	.....	.....	.....	9
Syphilis	1	.....	1	.....	.....	.....	.....	.....	2
Tuberculosis	6	15	.....	9	4	9	.....	2	45
Constitutional Diseases:—									
Rheumatism	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arthritis Deformans	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diabetes Mellitus	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Digestive System:—									
Mouth, salivary glands	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pharynx	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tonsils	.....	.....	.....	.....	.....	.....	.....	.....	.....
Œsophagus	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Intestines:—									
Diseases of the Liver	.....	.....	.....	.....	.....	2	.....	.....	2
Diseases of the Pancreas	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Peritoneum	.....	.....	.....	.....	.....	.....	.....	.....	.....
Intestinal obstruction	.....	.....	.....	2	.....	.....	.....	.....	2
Diseases of the Respiratory System:—									
Diseases of the Nose and Larynx	.....	.....	.....	.....	.....	.....	.....	.....	.....
" " Bronchi	.....	1	.....	.....	.....	.....	.....	.....	1
" " Lungs	4	2	1	.....	5	1	1	.....	14
" " Pleura	.....	.....	.....	1	.....	1	.....	.....	2
Diseases of the Circulatory System:—									
Diseases of the Pericardium	.....	.....	.....	.....	.....	.....	.....	.....	.....
" " Heart	1	6	1	8	2	3	3	2	26
Arterio-sclerosis	2	.....	1	.....	.....	3	.....	.....	6
Aneurism	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Blood and Ductless Glands:—									
Anæmia	1	.....	.....	.....	.....	.....	.....	.....	1
Pernicious Anæmia	.....	.....	.....	3	.....	.....	.....	.....	3
Leukæmia	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Genito-Urinary System	.....	1	.....	.....	.....	3	.....	.....	4
Carried Forward	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE No. 6—*Continued.*

Showing the causes of death of patients who died during 10 months ending October 31st, 1909.

Cause of Death.	Toronto Hospital.	London Hospital.	Kingston Hospital.	Hamilton Hospital.	Mimico Hospital.	Brockville Hospital.	Cobourg Hospital.	Penetang Hospital.	Total.
Brought Forward	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of the Nervous System:—									
Diseases of the Nerves	3	.....	.....	.....	.....	.....	.....	.....	3
" " Spinal Cord	.....	.....	.....	.....	.....	.....	.....	.....	.....
" " Meninges	.....	.....	.....	.....	.....	.....	.....	.....	.....
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)	2	1	1	2	.....	2	.....	2	10
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Epilepsy	.....	2	.....	4	2	1	.....	.....	9
Mental Diseases:—									
Exhaustion of Acute Mental Disease	3	1	.....	2	4	2	1	.....	13
Exhaustion of Chronic Mental Disease	3	.....	1	1	6	7	.....	.....	18
General Paresis	15	4	2	5	3	2	.....	.....	31
Intoxications:—									
Alcoholism	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morphinism	.....	.....	.....	.....	.....	.....	.....	.....	.....
Metallic Poisoning	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heat Stroke	.....	.....	.....	.....	.....	.....	.....	.....	.....
Debility of Old Age	8	10	2	9	6	.....	1	2	38
Accident	.....	.....	2	.....	.....	.....	.....	.....	2
Suicide	.....	.....	.....	2	.....	.....	.....	.....	2
Surgical Diseases	.....	.....	.....	2	1	.....	.....	.....	3
Gynæcological Diseases	.....	.....	.....	.....	.....	.....	.....	.....	.....
Malignant New Growths, or Cancer	.....	.....	.....	2	.....	1	.....	2	5
Totals	54	44	13	55	38	37	6	12	259

TABLE No. 7.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Toronto Hospital.	London Hospital.	Kingston Hospital.	Hamilton Hospital.	Mimico Hospital.	Brockville Hospital.	Cobourg Hospital.	Penetanguishene Hospital.	Admitted this year.	Since opening.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	6	2	2	3	1	2	....	....	16	505
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	26	10	6	4	7	6	....	....	59	1,405
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	10	37	23	25	17	16	....	4	132	5,059
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	17	11	1	10	8	6	....	4	57	1,381
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	20	11	6	11	4	1	....	5	58	1,965
Domestic Service:— Waiters, Cooks, Servants, etc.	13	8	3	6	7	5	5	3	50	3,290
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	57	51	34	47	44	36	....	14	283	9,184
Miners, Marine Engineers, Railway Employees, Seamen, etc.	....	....	1	4	....	....	....	....	5	298
Laborers	29	17	7	20	17	12	....	4	106	4,406
No Occupation	11	18	8	21	4	2	2	1	67	1,887
Unascertained	2	....	....	1	....	....	....	7	10	2,368
Total	191	165	91	152	109	86	7	42	843	31,748

TABLE No. 8.

Showing the number of officers and employees in each and all of the Hospitals classified according to the duties performed.

Occupation.	Toronto Hospital.	London Hospital.	Kingston Hospital.	Hamilton Hospital.	Mimico Hospital.	Brockville Hospital.	Cobourg Hospital.	Penetang Hospital.	Totals.
Medical Superintendents	1	1	1	1	1	1	1	1	8
Assistant Superintendents	1	1	1	1	1	1	.....	.....	6
Assistant Physicians	2	2	2	2	1	1	1	1	12
Trained Nurses	1	1	1	1	1	.....	1	.....	6
Dentists	1	.....	.....	.....	1	.....	.....	.....	2
Bursars	1	1	1	1	1	1	1	1	8
Bursars' Clerks	1	1	.....	1	.....	.....	.....	.....	3
Stenographers & Portresses	3	3	2	3	1	2	1	1	16
Stewards	1	.....	.....	.....	.....	.....	.....	.....	1
Storekeepers	1	1	1	1	1	1	.....	.....	6
Matrons	1	1	1	1	1	1	1	1	8
Assistant Matrons	1	1	1	2	1	1	.....	1	8
Housekeepers	.....	.....	1	.....	.....	.....	.....	.....	1
Cooks	6	9	4	9	4	3	3	4	42
Laundresses	7	4	3	6	1	3	2	2	28
Housemaids	6	5	2	6	4	5	2	1	31
Seamstresses	1	1	1	2	1	1	1	1	9
Tailoresses	.....	1	1	.....	1	.....	.....	.....	3
Bakers	1	1	1	1	1	1	1	1	8
Assistant Bakers	.....	.....	.....	.....	.....	.....	.....	.....	.....
Butchers	1	1	1	1	1	1	.....	.....	6
Tailors	1	1	1	1	.....	1	.....	.....	5
Shoemakers	.....	1	.....	1	.....	.....	.....	....	2
Laundryman	....	1	1	1	1	1	....	1	6
Engineers and Assistants	2	2	3	2	4	2	1	2	18
Stokers	5	11	3	8	6	4	2	4	43
Bricklayers and Masons	1	2	2	1	1	1	.....	.....	8
Carpenters	2	2	2	2	1	1	.....	2	12
Painters	1	1	1	1	.....	1	.....	2	7
Farmers	1	1	1	1	1	1	.....	1	7
Farmers' Assistants	2	7	3	7	3	2	.....	3	27
Gardeners	1	1	1	1	1	1	1	1	8
Assistant Gardeners	.....	2	1	1	2	1	1	.....	8
Porters	1	.....	.....	1	.....	1	.....	....	3
Chief Attendants (Male)	1	4	1	2	1	1	.....	.....	10
Supervisors (Male)	10	7	10	9	7	5	.....	2	50
Attendants (Male)	33	37	25	34	28	20	.....	13	190
Chief Attendants (Female)	1	1	.....	1	.....	....	1	.....	4
Supervisors (Female)	8	8	7	10	5	7	3	4	52
Attendants (Female)	35	48	23	31	24	25	6	11	203
Musical Instructress	1	.....	1	.....	.....	.....	.....	.....	2
Totals	143	172	111	154	108	98	30	61	877

TABLE No. 9.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
Moral.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	27	43	70	13	17	30	18
Mental Strain, Worry and Overwork (not included in above)	60	65	125	26	27	53	9
Religious Excitement	6	10	16	2	4	6	.....
Love Affairs, including seduction	8	11	19	2	3	5	.....
Fright and Nervous Shock	5	7	12	4	4	8	1
Physical.							
Alcoholism	52	6	58	12	.....	12	19
Sexual Excess	1	.....	1	.....	.....	.....	1
Venereal Diseases	11	2	13	2	.....	2	.....
Masturbation	10	.....	10	7	.....	7	2
Insolation	4	3	7	.....	2	2	.....
Accident or Injury	13	5	18	4	.....	4	2
Pregnancy	.....	7	7	.....	7	7	5
Parturition and Puerperium	.....	20	20	.....	5	5	2
Lactation	.....	5	5	.....	1	1	.....
Climacteric Period	.....	15	15	.....	6	6	1
Fevers	5	8	13	1	1	2	.....
Privation and Overwork	12	4	16	5	4	9	6
Epilepsy	22	13	35	4	1	5	7
Other Convulsive Diseases	4	4	8	.....	.....	.....	.....
Diseases of Brain and Skull	8	5	13	3	.....	3	1
Senility	20	15	35	4	7	11	.....
Exophthalmic Goitre	3	3	6	.....	1	1	.....
Epidemic Influenza	.....	1	1	.....	1	1	.....
Abuse of Drugs	9	2	11	2	.....	2	4
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	8	13	21	.....	1	1	5
Other Bodily Diseases	7	25	32	2	4	6	1
Hereditary.							
Congenital Defect	40	23	63	13	9	22	12
Unascertained	99	92	181	62	72	134	75
Not Insane	1	1	2	.....	.....	.....	.....
Total	435	408	843	168	177	345	171

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	1	1	....	....	....	....	....	....
(b) Infection Delirium	....	2	2	1	2	3	....	1	1
(c) Post Infection Psychoses	3	6	9	1	1	2	....	1	1
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	2	2	1	1	2	....	4	4
(b) Acute Confusional Psychoses	5	23	28	6	12	18	....	7	7
(c) Neurasthenia	2	6	8	1	1	2	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	3	1	4	1	....	1	....	....	....
(b) Chronic "	2	2	4	1	....	1	1	1	2
(a) Alcoholism (acute and chronic)	15	5	20	28	2	30	....	....	....
(b) Delirium Tremens	....	....	....	....	....	....	....	....	....
(c) Korsakow's Psychoses	3	....	3	2	....	2	....	....	....
(d) Acute Alcoholic Hallucinosis	1	....	1	2	....	2	....	....	....
(e) Alcoholic Hallucinatory Dementia.	1	....	1	1	....	1	....	1	1
(f) " Paranoia	3	....	3	1	....	1	....	....	....
(g) " Paresis	....	....	....	....	....	....	....	....	....
(h) Morphinism	4	1	5	2	1	3	....	....	....
(i) Cocainism	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	....	....	....	....	....	....	....
(b) Cretinism	....	....	....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	25	67	142	46	28	74	15	19	34
(b) Catatonic	31	36	67	14	18	32	6	12	18
(c) Paranoid	55	42	97	15	13	28	7	10	17
General Paresis	29	2	31	5	....	5	31	2	33
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	2	2	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	....	....	....	....	....	1	1
(d) Cerebral Syphilis	2	....	2	1	....	1	1	....	1
(e) Tabetic Psychoses	1	4	5	1	....	1	....	....	....
(f) Arterio-sclerotic Psychoses	4	2	6	3	1	4	....	....	....
(g) Cerebral Tumor, Abscess, Hæmorrhage	1	....	1	1	2	3	4	2	6
(h) Paralysis Agitans	....	....	....	....	1	1	....	....	....
Involution Psychoses:—									
(a) Melancholia	9	27	36	6	21	27	5	12	17
(b) Pre-senile Delusional Psychoses	7	11	18	5	8	13	7	6	13
(c) Senile Dementia	25	21	46	14	10	24	28	20	48
Manic Depressive Psychoses:—									
(a) Manic States	44	50	94	35	44	79	7	9	16
(b) Depressed States	27	34	61	22	31	53	5	5	10
(c) Mixed States	12	10	22	10	15	25	4	3	7
Carried Forward	....	....	....	....	....	....	....	....	....

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	....	....	....	....	....	....	....	....	....
Paranoia	2	1	3	1	1	2	1	....	1
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	21	10	31	4	....	4	9	6	15
(b) Hysterical Psychoses	1	5	6	....	2	2	....	1	1
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	39	24	63	9	2	11	1	1	2
(b) Idiocy	1	....	1	....	....	....	....	....	....
Not Diagnosed	7	8	15	6	4	10	....	3	3
Not Insane	3	....	3	3	1	4	....	....	....
Total	438	405	843	250	221	*471	132	127	259

* Includes deports.

TABLE No. 11.

Showing the percentage of recoveries on the average population and admissions for the 10 months ending October 31st, 1909.

Hospitals.	On average population.			On admission.		
	Average population.	Recovered.	Percentage.	Admissions.	Recovered.	Percentage.
Toronto	864	32	3.70	191	32	11.52
London	1,100	74	6.73	165	74	44.85
Kingston	583	33	5.55	91	33	36.27
Hamilton	1,164	45	3.87	152	45	29.60
Mimico	599	49	8.18	109	49	44.95
Brockville	690	37	5.36	86	37	43.03
Cobourg	145	.....	.....	7	.....	.....
Penetang	355	10	2.82	42	10	23.81
Totals	5,500	280	5.09	843	280	33.22

TABLE No. 12.

Showing hereditary tendency to insanity in patients admitted during the year.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	48	36	84
Maternal Branch	39	41	80
Paternal and Maternal Branches	10	8	18
Collateral Branches	25	34	59
No hereditary tendency	143	134	277
Unascertained	173	152	325
Total	438	405	843

TABLE No. 13.

Showing summary of discharges during the year.

	Male.	Female.	Total.
Discharged, Recovered	152	125	277
" Improved	72	80	152
" Unimproved	12	9	21
" (Deported)	16	8	24
" (Eloped)	20	1	21
" Not Insane	1	0	1
Total Number of Discharges	273	223	496

TABLE No. 14.

Deaths in Hospitals.

Hospitals.	No. of Deaths.	Daily average population.	Percentage of deaths on daily average population.
Toronto	54	864	6.25
London	44	1,100	4.00
Kingston	13	583	2.19
Hamilton	55	1,164	4.72
Mimico	38	599	6.34
Brockville	37	690	5.36
Cobourg	6	145	4.21
Penetang	12	355	3.38
Totals	259	5,500	4.71

TABLE No. 15.

The following table shows the number of beds in each of the Hospitals, and how they were occupied at the close of the official year:

Asylums.	Number of beds.			Number in residence on 31st October, 1909.			Number of vacancies.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Toronto	426	426	852	422	473	895			
London	511	555	1,066	541	555	1,096			
Kingston	315	291	606	310	282	592	5	9	14
Hamilton	567	612	1,179	564	610	1,174	3	2	5
Mimico	300	300	600	297	296	593	3	4	7
Brockville	330	330	660	340	340	680			
Cobourg		146	146		146	146			
Penetang	165	202	367	160	195	355	5	7	12
Totals	2,614	2,862	5,476	2,634	2,897	5,531	16	22	38

TABLE No. 16.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	224	168	392	9,127	6,408	15,535
Married	189	215	404	7,021	9,026	16,047
Widowed	22	21	43	54	85	139
Divorced	1		1	1	1	2
Separated	1	1	2	8	2	10
Unascertained	1		1	8	7	15
Total	438	405	843	16,219	15,529	31,748
RELIGION.						
Baptists	20	19	39	634	678	1,312
Congregationalists	2		2	114	131	245
Episcopalians	82	78	160	3,590	3,363	6,953
Methodists	88	96	184	3,444	3,652	7,096
Presbyterians	99	71	170	3,207	3,044	6,251
Roman Catholics	78	86	164	3,465	3,351	6,816
Other Denominations	43	32	75	1,162	961	2,123
Unascertained	26	23	49	603	331	934
Total	438	405	843	16,219	15,529	31,748

TABLE No. 17.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.	Admissions since opening.
Total born in Canada	612	18,349
Armenia		1
Assyria		7
Austria	1	9
Australia		
Belgium		
Bulgaria		
Central America		
China		2
Denmark		4
England	88	4,043
France	1	17
Finland		20
Galicia		
Germany	13	189
Greece	1	2
Holland		1
Hungary		
Ireland	49	4,863
Italy	3	26
Japan		
Macedonia		2
Other British Possessions		24
Norway		9
Roumania	1	2
Russia	8	55
Scotland	34	2,194
South America	1	1
Switzerland		12
Sweden	4	23
Turkey		
United States	19	861
West Indies		6
Unascertained and other countries	8	1,026
Total	843	31,748

TABLE No. 18.

Statement of Revenue from Paying Patients and from Farm and Miscellaneous Revenue.

Hospital.	No. of Paying Patients.	From Paying Patients.	From Farm and Miscellaneous.	Total.
		$ c.	$ c.	$ c.
Brockville	165	9,592 92	1,143 92	10,736 84
Cobourg	10	518 61	860 27	1,378 88
Hamilton	327	27,618 68	459 14	28,077 82
Kingston	167	10,976 51	636 35	11,612 86
London	341	24,827 39	558 69	25,386 08
Mimico	193	12,752 83	802 27	13,555 10
Penetanguishene	28	1,132 07	776 25	1,908 32
Toronto	382	36,671 19	616 60	37,287 79
Totals	1,613	124,090 20	5,853 49	129,943 69
Revenue from Railway Taxation, under 6 Edward VII., Cap. 9, Sec. 4, Sub-sec. 2	.....	100,188 60	.....	100,188 60
	.....	224,278 80	5,853 49	230,132 29

TABLE No. 19.

COMPARATIVE STATEMENT OF REVENUE.

The following statement shows the revenue received from the Hospitals for each year since 1871, together with the number of paying patients in the Hospitals from year to year:

———	No. of Paying Patients.	Revenue.	Increase.	Decrease.
		$ c.	$ c.	$ c
For the year ending September 30, 1871..	118	14,045 30	.....	.....
" " 1872..	139	19,255 80	5,219 50	.....
" " 1873..	171	16,660 61	.....	2,595 19
" " 1874.	182	20,035 77	3,373 15	.....
" " 1875..	231	21,875 92	1,840 15	.....
" " 1876..	256	21,175 93	.....	699 99
" " 1877..	323	28,093 58	6,917 65	.....
" " 1878..	334	30,103 75	2,010 17	.....
" " 1879..	343	32,398 26	2,794 51	.....
" " 1880..	387	37,653 81	4,755 55	.....
" " 1881..	414	41,066 54	3,412 73	.....
" " 1882..	475	43,937 64	2,871 10	.....
" " 1883..	538	59,922 59	15,984 95	.....
" " 1884..	496	48,135 18	.....	11,787 41
" " 1885..	509	49,620 93	1,485 73	.....
" " 1886..	516	53,030 05	4,309 12	.....
" " 1887..	514	48,742 53	.....	4,287 52
" " 1888..	538	59,638 16	10,895 03	.....
" " 1889..	708	66,670 64	7,032 48	.....
" " 1890..	562	62,754 16	.....	3,916 48
" " 1891..	577	48,507 52	.....	14,246 14
" " 1892..	632	73,240 61	14,733 19	.....
" " 1893..	661	73,415 54	174 93	.....
" " 1894..	697	72,722 04	.....	693 50
" " 1895..	743	68,290 31	.....	4,431 73
" " 1896..	904	97,898 19	29,607 88	.....
" " 1897..	844	100,581 25	2,683 06	.....
" " 1898..	770	72,042 44	.....	28,538 81
" " 1899..	778	74,364 54	2,322 10	.....
" " 1900..	846	81,650 87	7,286 33	.....
" " 1901..	902	90,677 46	9,026 59	.....
" " 1902..	959	101,076 20	10,398 74	.....
" " 1903..	1,029	97,416 03	.....	3,660 17
" " 1904..	1,111	106,167 49	8,751 46	.....
" " 1905..	1,211	114,915 59	8,748 10	.....
For the 3 mos. ending December 31, 1905..	.....	54,897 06	27,403 60	.....
For the year ending December 31, 1906..	1,732	165,404 08	50,488 49	.....
" " 1907..	1,797	166,419 63	1,015 55	.....
" " 1908..	1,878	146,148 77	.....	3,739 24
For the 10 mos. ending October 31, 1909..	1,613	140,048 18	.....	.....

In addition $100,188.60 revenue for the 10 mos. ending Oct. 31, 1909, was derived from Railway Taxation under 6 Edward VII. c. 9.

Revenue from Woodstock and Orillia not included in 1908 and 1909.

TABLE No. 20.

HOSPITAL EXPENDITURE.

The following table shows the expenditure incurred for the maintenance of the Hospitals during the ten months ending October 31st, 1909, as well as for the year which preceded it.

Hospital.	Expended 1908.	Expended ten months ending Oct. 31st, 1909.	Increase for corresponding period.	Decrease for corresponding period.
	$ c.	$ c.	$ c.	$ c.
Brockville	101,533 77	91,947 52	6,480 89	.....
Cobourg	23,863 18	20,763 81	881 53	.....
Hamilton	153,711 82	137,082 01	8,514 93	.....
Kingston	110,947 64	93,559 18	.....	2,030 32
London	150,097 73	130,962 88	.....	7,362 21
Mimico	88,138 96	81,537 15	6,054 68	.....
Penetanguishene	59,629 55	53,410 33	4,949 23	.....
Toronto	144,609 04	127,534 07	6,570 67	.....
Totals	832,531 69	736,796 95	33,451 93	9,392 53

Increase for 1909, $24,059.40.

TABLE No. 21.

STATEMENT.

Showing the Expenditure on Maintenance under the different headings of the estimates for ten months ending October 31st, 1909.

Headings of Estimates.	Brockville Hospital.	Cobourg Hospital.	Hamilton Hospital.	Kingston Hospital.	London Hospital.	Mimico Hospital.	Penetang. Hospital.	Toronto Hospital.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Medicines	899 91	142 56	995 64	999 41	840 03	888 73	290 94	994 57
Provisions	29,997 07	6,002 37	47,818 43	27,422 12	41,242 24	26,957 21	14,876 39	46,997 97
Heat and Light	15,985 79	3,434 97	20,895 21	13,440 82	17,921 73	9,968 38	7,956 32	17,950 64
Clothing	4,491 23	445 99	6,500 16	4,768 91	8,475 63	4,201 32	3,713 16	3,989 61
Laundry	1,495 30	294 32	1,993 36	1,607 43	2,983 67	1,404 26	713 89	2,384 53
Repairs	3,998 90	402 52	5,111 12	5,224 00	8,113 50	3,981 56	2,443 86	5,925 98
Office expense	742 25	200 00	939 75	933 09	1,129 40	690 86	320 36	840 59
Farm expense	4,499 81	98 00	5,391 66	5,435 61	3,589 29	3,092 32	3,161 97	5,991 81
Miscellaneous expense	2,980 00	854 91	5,976 73	1,306 24	1,297 61	1,010 80	1,403 05	3,247 81
Total expense	65,090 26	11,875 64	95,622 06	61,137 63	85,593 10	52,195 44	34,879 94	88,323 51
Salaries	26,857 26	8,888 17	41,459 92	32,421 55	45,369 78	29,341 71	18,530 39	39,210 56
Grand Totals	91,947 52	20,763 81	137,081 98	93,559 18	130,962 88	81,537 15	53,410 33	127,534 07

Notes on Per Capita Statement.

Attached hereto is a statement of the cost of maintenance per patient per day for the ten months ending October 31st, 1909, in the ten hospitals mentioned, as compared with the year 1908, being based on actual consumption.

It follows out the order of the sub-divisions of appropriations voted by the Legislature, and is calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Invoices for all purchases, properly certified by the Bursar and the Storekeeper, as to accuracy and receipt of goods, are checked in the Department before being submitted to the Treasury for payment.

A system of Daily Requisitions for all supplies, such as provisions, is carried out and these requisitions are forwarded to the Department semi-weekly. In case of coal, the amount consumed on each shift is weighed and weekly report of consumption made by the engineer.

Under headings "Provisions" and "Clothing." is shown only consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included in the account "Employees' Meals and Uniforms" under the heading "Salaries."

Quarterly inventories of stock are taken at each Institution, and are checked with the ledger accounts of the Department.

Returns are made of all products of the Farm and Garden, as received, charges being made against the cost of maintenance, and the Farm and Garden given credit for the same; for this purpose a uniform price list is in use for all Institutions, regardless of size or fertility of farm. At the end of the year the value per patient per day of such products—fruits, vegetables, feed and fodder, meat and eggs—is deducted from the gross per capita cost and appears in the statement as "Farm Recoveries."

The net per capita cost per day in each institution during 1909 showed a decrease on that of 1908.

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Cobourg.		Hamilton.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Average number of patients	676.81	678.19	145.26	144.98	1135.80	1108.63
MEDICINES	.44	.41	.32	.28	.29	.23
Medicines and Medical comforts	.44	.41	.32	.28	.29	.23
PROVISIONS	12.86	12.72	10.04	10.17	12.04	12.73
Breakfast Foods and Cereals	.44	.51	.35	.36	.32	.28
Butter	1.78	1.68	1.12	1.23	1.85	2.05
Coffee	.06	.06	.06	.06	.12	.12
Eggs	.48	.47	.03	.06	.20	.12
Flour, Bread, etc	1.77	2.13	1.60	2.02	1.61	2.04
Fruit and Vegetables—Fresh	.58	.34	.38	.49	.75	.72
" " Canned and Dried	.42	.52	.42	.10	.36	.37
Milk	1.29	1.06	1.52	1.52	1.27	1.20
Potatoes	1.02	.85	.42	.59	.58	.60
Salt, etc	.05	.06	.03	.03	.06	.07
Sugar and Syrup	.76	.68	.68	.36	.71	.68
Tea	.35	.35	.34	.41	.22	.21
Unenumerated Groceries	.42	.47	.46	.29	.38	.88
Butchers' Meat	3.15	3.20	2.53	2.37	3.05	2.83
Fish and Fowl	.29	.34	.10	.28	.56	.56
HEATING AND LIGHTING	5.86	5.74	4.81	5.91	5.07	5.93
Coal and Wood	4.75	4.52	3.86	4.97	4.06	4.88
Electricity	.....	.....	.95	.94	.78	.79
Gas	1.08	1.19	.....	.....	.22	.22
Oil, etc	.03	.03	.....	.....	.01	.04
CLOTHING	1.66	2.14	1.45	.94	1.21	1.20
Clothing—Dry Goods	1.27	1.62	1.37	.75	.93	.98
Boots and Shoes	.39	.52	.08	.19	.28	.22
LAUNDRY AND CLEANING	.59	.64	.54	.70	.75	.60
Brushes, Brooms and Mops	.14	.11	.06	.05	.14	.08
Miscellaneous Expenses	.12	.17	.05	.15	.09	.16
Soap	.33	.36	.43	.50	.52	.36
REPAIRS AND REPLACEMENTS	1.68	2.17	1.06	1.36	1.41	1.96
Furn. and Furn.	1.45	1.54	.70	.29	1.01	1.39
Miscellaneous Items	.02	.....	.03	.04	.01	.04
Plant	.21	.63	.33	1.03	.39	.53
OFFICE EXPENSES	.36	.36	.45	.50	.28	.26
Miscellaneous Office Expenses	.21	.21	.17	.24	.19	.16
Postage	.08	.09	.09	.07	.04	.06
Telephoning and Tel.	.07	.06	.19	.19	.05	.04
SALARIES	16.44	15.74	23.58	24.65	15.58	14.99
Supt. and Physicians	1.89	2.03	4.19	4.95	1.65	1.64
Bursar and Assistants	1.36	1.32	2.75	2.60	1.04	1.08
Matron and Assistants	1.96	2.04	4.87	4.75	1.90	1.91
Engineer and Assistants	1.07	.92	2.94	2.92	.91	.90
Artisans, not Domestic	.72	.71	.57	.59	.55	.52
Farm and Garden	.88	.83	.75	1.10	.94	.77
Teachers	.....	.....	.....	.....	.....	.....
Attendants—Male	2.86	2.82	.....	.....	3.17	2.89
" Female	2.32	2.07	4.06	4.02	1.84	1.79
Employees' Meals and Uniforms	3.23	2.92	3.29	3.14	3.49	3.44
Employees' Other Allowances	.15	.08	.16	.58	.09	.05

No. 22.

per Day for the Ten Months ending October 31st, 1909.

Kingston.		London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year
583.55	591 81	1075.00	1061.56	583.95	594.34	776.77	774.81	354.82	3:0.24	857.70	837.57	110 53	84.07
.58	.60	.26	.22	.50	.46	.16	.12	.26	.47	.40	.39	.77	1.20
.58	.60	.26	.22	.50	.46	.16	.12	.26	.47	.40	.39	.77	1.20
12.27	14.75	12.06	12.81	11.56	13.91	9.41	9.78	11.45	12.67	16.64	16.49	14.18	14.70
.38	.40	.38	.42	.43	.57	.16	.18	.31	.30	.41	.50	.45	.50
1.79	2.01	1.81	2.04	2.61	3.28	2.29	2.45	1.80	1.85	2.41	2.74	3.27	3.64
.08	.30	.16	.20	.03	.07	.08	.07	.33	.35	.03	.01	.16	.19
.64	.79	.20	.21	.32	.45	.06	.04	.06	.10	.58	.52	.16	.21
1.62	2.36	1.63	2.16	1.84	1.92	1.91	2.28	1.88	2.12	1.67	2.00	1.67	1.60
.44	.72	.86	.86	.64	.55	.36	.28	.38	.51	.51	.63	1.14	.77
.21	.21	.25	.31	.24	.29	.14	.10	.35	.50	.58	.71	.73	.82
1.25	1.28	1.14	1.10	1.00	1.22	1.00	.77	.88	.81	1.59	1.28	2.55	2.04
.76	.80	.61	.78	.32	.39	.33	.45	.37	.48	.70	.64	.61	.66
.05	.07	.07	.07	.07	.06	.04	.04	.05	.05	.08	.13	.04	.10
.68	.95	.86	.71	.72	1.04	.41	.42	.63	.61	.87	.85	.95	1.08
.28	.35	.34	.38	.34	.49	.16	.15	.29	.32	.43	.45	.31	.25
1.19	.81	.98	.69	.80	.80	.27	.44	.56	.65	.93	.62	.27	.57
2.54	3.09	2.56	2.59	1.78	2.17	2.19	2.07	3.10	3.69	5.06	4.51	1.09	1.64
.36	.61	.21	.29	.42	.61	.01	.04	.46	.33	.79	.90	.78	.63
4.35	8.25	5.19	4.92	4.93	5.06	2.87	3.39	4.53	6.03	5.21	6.32	9.70	10.97
4.29	8.18	4.06	3.72	4.78	4.96	2.61	3.16	3.56	4.50	4.13	4.98	8.16	9.18
.....	.....	.....	.....	.....	.....	.25	.22	.93	1.47	.44	.56	1.52	1.76
.....	.....	1.07	1.16	.....	.....	.....	.....	.....	.....	.60	.75	.....	.....
.06	.07	.06	.04	.15	.10	.01	.01	.04	.06	.04	.03	.02	.03
2.02	2.27	1.90	1.82	1.42	1.68	1.94	1.99	2.66	3.56	1.04	1.02	.40	1.28
1.61	1.85	1.56	1.30	1.13	1.33	1.52	1.61	2.28	2.95	.80	.82	.25	1.14
.41	.42	.34	.52	.29	.35	.42	.38	.38	.61	.24	.20	.15	.14
.92	.93	.86	.84	.76	.81	.70	.81	.61	.79	.86	.89	1.10	1.29
.16	.18	.16	.14	.15	.13	.12	.16	.14	.14	.14	.12	.15	.22
.31	.24	.20	.23	.17	.24	.12	.18	.13	.36	.17	.22	.30	.56
.45	.51	.50	.47	.44	.44	.46	.47	.34	.29	.55	.55	.65	.51
2.58	3.14	2.26	2.88	2.02	2.13	1.25	1.10	1.94	3.09	1.89	1.95	1.61	2.00
1.95	1.85	1.69	2.23	1.48	1.44	.74	.71	1.27	2.33	1.54	1.35	.95	1.23
.02	.06	.03	.03	.02	.06	.02	.01	.06	.03	.01	.02	.02	.10
.61	1.23	.54	.62	.52	.63	.49	.38	.61	.73	.34	.58	.64	.67
.53	.67	.34	.34	.39	.41	.15	.16	.28	.46	.32	.39	.69	.97
.31	.46	.21	.21	.20	.22	.08	.08	.12	.22	.22	.28	.42	.60
.13	.13	.06	.06	.08	.08	.04	.05	.06	.08	.05	.06	.13	.19
.09	.08	.07	.07	.11	.11	.03	.03	.10	.16	.05	.05	.14	.18
22.22	22.05	18.12	17.36	21.72	19.10	11.88	11.26	21.48	23.66	18.31	18.05	40.71	47.39
2.67	2.48	1.63	1.70	2.51	2.43	1.34	1.44	2.86	3.40	1.97	2.40	6.95	9.10
1.53	1.48	1.09	1.05	1.27	1.37	1.01	.94	1.75	1.92	1.29	1.18	4.31	4.97
2.63	2.67	1.99	1.85	2.09	2.14	1.89	1.83	2.57	1.77	2.57	2.55	4.99	5.97
1.26	1.51	1.13	.99	1.89	1.68	.85	.86	1.48	1.68	.75	.71	2.22	2.92
1.21	1.16	.78	.75	.49	.46	.51	.51	1.40	1.59	.93	.90	1.49	1.95
1.07	1.12	1.07	1.05	1.45	1.39	.63	.62	2.01	2.29	.62	.42	4.76	6.34
.....	.....	.....	.....	.....	.....	.41	.08	.....	.....	.....	.....	.....	.....
5.25	4.88	3.70	3.49	4.58	3.87	1.97	1.89	3.11	3.93	4.09	4.02	5.47	5.44
2.65	2.58	2.49	2.31	2.25	2.00	1.04	.96	2.00	2.09	2.82	2.79	3.11	2.81
3.82	4.07	4.20	4.14	4.93	3.59	2.12	2.00	3.97	4.61	3.25	3.08	7.29	7.87
.13	.10	.04	.03	.26	.17	.11	.13	.33	.38	.02	.....	.12	.02

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Cobourg.		Hamilton.	
	This Year.	Last Year.	This Year.	Last Year.	This Year	Last Year.
Average number of patients	676.81	678.19	145.25	144.98	1135.80	1108.63
FARM AND GARDEN	2.27	2.37	.22	.18	2.69	3.06
Feed and Fodder	1.66	1.77	.....	.01	2.23	2.20
Miscellaneous Farm Expenses	.55	.57	.14	.07	.26	.71
Seeds, etc	.06	.03	.08	.10	.20	.15
MISCELLANEOUS	1.45	1.33	1.86	1.87	1.75	1.69
Amusements, Religion, Education	.11	.15	.....	.04	.07	.08
Elopers, Cost of Recovery	.02	.02	.....	.....	.....	.01
Freight, Duties, etc	.05	.06	.08	.07	.06	.03
Ice	.18	.10	.24	.17	.38	.27
Incidental Expenses	.19	.13	.28	.46	.20	.16
Officers' Travelling Expenses	.09	.06	.05	.06	.06	.03
Power	.....	.....	.....	.....	.....	.....
Water	.81	.81	1.21	1.07	.98	1.11
Brush Industry	.....	.....	.....	.....	.....	.....
Gross per Capita Cost	43.61	43.62	44.33	46.56	41.07	42.65
Less Farm Recoveries	3.65	2.53	.63	.41	5.25	3.95
Net per Capita Cost	39.96	41.09	43.70	46.15	35.82	38.70

No. 22.—*Concluded.*

per day for the Ten Months ending October 31st, 1909.—*Concluded.*

Kingston.		London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
583.55	591.81	1075.00	1061.56	583.95	594.34	776.77	774.81	354.82	310.24	857 70	837.57	110.53	84.07
2.99	**4.60**	**2.26**	**2.57**	**3.88**	**3.01**	**.93**	**1.43**	**2.70**	**4.93**	**2.12**	**2.33**	**6.99**	**8.72**
2.10	3.38	1.56	1.55	2.54	2.12	.67	.87	2.11	4.02	1.83	1.82	5.11	7.37
.58	1.04	.48	.77	1.04	.73	.24	.54	.39	.56	.25	.47	1.06	1.08
.31	.18	.22	.25	.30	.16	.02	.02	.20	.35	.04	.04	.82	.27
.69	**.72**	**.43**	**.34**	**.57**	**.53**	**.53**	**.54**	**1.29**	**1.54**	**1.21**	**1.69**	**4.20**	**6.25**
.22	.27	.14	.12	.19	.25	.07	.13	.02	.03	.19	.29	.32	.10
.06	.02	.03	.02	.....	.....	.....	.....	.01	.01	.02	.....	.01	.....
.15	.19	.05	.05	.10	.09	.06	.05	.16	.23	.02	.01	.08	.12
.....	.....	.....	.02	.17	.14	.03	.03	.....	.....	.15	.17	.....	.....
.17	.16	.18	.10	.10	.04	.09	.10	.16	.19	.13	.05	.03	.21
.03	.08	.03	.03	.01	.01	.02	.01	.01	.02	.02	.02	.04	.....
.....	.....	.....	.....	.....	.....	.13	.11	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.13	.11	.93	1.06	.68	1.15	3.72	5.82
.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
49.15	57.98	43.68	44.10	47.75	47.10	29.82	30.58	47.20	57.20	48.00	49.52	80.35	94.77
4.53	**4.35**	**5.65**	**5.32**	**6.32**	**4.32**	**2.50**	**2.29**	**3.41**	**4.58**	**2.31**	**2.00**	**13.37**	**13.13**
44.62	53.63	38.03	38.78	41.43	42.78	27.32	28.29	43.79	52.62	45.69	47.52	66.98	81.64

APPENDIX

TO FORTY-SECOND ANNUAL REPORT UPON THE HOSPITALS FOR THE INSANE AND CONTAINING THE ANNUAL REPORTS OF THE MEDICAL SUPERINTENDENTS OF THE HOSPITALS IN TORONTO, LONDON, KINGSTON, HAMILTON, MIMICO, BROCKVILLE, COBOURG, PENETANGUISHENE AND HOMEWOOD SANITARIUM, GUELPH.

HOSPITAL FOR THE INSANE, TORONTO.

Annual Report of the Medical Superintendent for the Ten Months Ending October 31st, 1909.

Gentlemen,—In accordance with your request I have the honor to submit the sixty-ninth report of this Hospital for the ten months ending October 31st, 1909.

As anticipated in last year's Annual Report, we have not been able to keep pace with the demand for room, and no less than ninety-four applicants for admission are on file—many, I am sorry to say, are unfortunates committed to gaol. Until this year we have been able to keep the gaol comparatively clear, but the situation is now beyond our control. So crowded are our wards that eight or ten women are forced to sleep on sofas in the corridors. Overcrowding is always a mistake, and I would again urge on you the advisability of providing more accommodation for the insane of this city and district. As so often urged within the last few years, the proper method of dealing with this situation is to build a Psychiatric Clinic at once. This would not only meet the difficulties of the moment, but keep us abreast of the modern advances.

The population of Toronto has now become so large, and the demands of the "newly arrived" for hospital accommodation are so great, that the situation has become embarrassing.

Outdoor Department.

For some time past it has been felt that a little relief to the pressure for admission might be obtained by the establishment of an Outdoor Department. Thanks to the generosity of the Governors of the General Hospital and the encouragement given by the Government, we have been able to open an outdoor Clinic for the poor, where developing cases of insanity and nervous diseases may be studied. Dr. Ernest Jones, of our staff, will ordinarily take charge of the Clinic, and it will be a matter of great interest to learn how freely people will take advantage of the opportunity offered those who have reason to fear a mental breakdown.

For the present we shall use the Hospital Gynæcological Building on the corner of Chestnut and Christopher Streets, having consultation hours two days in the week.

This new departure will, it is certain, prove a striking success, and it will enable the profession to learn that Psychiatry is, after all, merely a branch of general medicine. It has been the policy of the staff of this Institution to take this attitude, and the result is beneficial in every way.

Admissions.

It is interesting to note that criticism of the character of the immigration pouring into this country has not been without effect, and while the situation is still far from satisfactory, yet we are receiving fewer defectives from the "newly arrived" than was the case a year or two ago, when about fifty per cent. of the admissions were not Canadians. This year only forty-one per cent. came under this heading—a marked falling off that is thoroughly appreciated by those who have the true interests of the country at heart. Of those admitted 34 were English,

18 Irish, 10 Scotch, 8 Americans, 7 Russians, 1 Roumanian, 1 German and 1 unascertained.

The number of admissions coming within the provision of the Deportation Act was also smaller than has recently been the case. Eleven were deported.

General Paresis of the Insane.

The increase in the number of general paretics is striking; it simply means that syphilis is rapidly assuming more formidable proportions in our midst, and one naturally asks whether the importation of diseased foreigners has anything to do with it. At all events the fact of the increase is easily demonstrated; nineteen general paretics were admitted during the ten months, four were discharged and fourteen died. We have constantly an average of thirty cases of general paresis in our wards, a proportion much larger than was observed in early days. It may be urged that modern clinical methods make it an easy matter to diagnose this dread disease, but those who are familiar with the traditions of Toronto Asylum from the days of Dr. Joseph Workman to the present time understand that the study of this disease has always been carefully and systematically undertaken.

Pathology.

Appended will be found the report of our Pathologist, Dr. Ernest Jones.

Changes in Staff.

There have been few changes on the staff of officers.

Dr. James Campbell, Assistant Physician, who gave promise of a brilliant career, was tempted to join the staff of the Butler Hospital for the Insane, Providence.

Dr. Stead, of Brockville, was appointed to succeed him.

Miss M. Cook became trained nurse, March 22nd, 1909.

On the whole the year has been a successful one, and I have received loyal support from officers and employees, who have carried on the work of the Institution with zeal and energy.

I have the honor to be,

Sir,

Your obedient servant,

C. K. Clarke,

Medical Superintendent.

To C. Postlethwaite, Esq., and E. R. Rogers, Esq.

PATHOLOGIST'S REPORT.

In the past ten months there have been fifty-four deaths in the Institution. In the past twelve months there have been thirty-six post-mortem examinations held. Seven of these were cases of general paralysis of the insane, the disease in which the most precise anatomical changes are to be found. A useful collection of microscopic sections, stained by different methods, has been prepared and stored. From these, lantern slides are being made, with the intention of using them in the instruction of students; it is hoped that some of these may be colored. Two papers have been published on the subject of the anatomical changes found in general paralysis, "Modern Progress in our Knowledge of General Paralysis," *Lancet,* July 24th, 1909, and "The Pathology of General Paralysis," *Dominion Medical Monthly,* Oct., 1909. Apart from this disease there have not been many instances of marked cerebral changes in the autopsies. The commonest of these were arterial degenerations, and in one case an aneurysm the size of a filbert was present on the basilar artery. The changes in other organs of the body, although always investigated, need not here be referred to, as they present nothing out of the usual run. Tuberculosis had left its mark in the lungs of most of the cases, but in only four instances was this very extensive and the direct cause of death. No cases of malignant disease were encountered.

The clinical side of pathology has yielded very interesting results, particularly in the study of the cerebral spinal fluid. Nearly a hundred lumbar punctures have been performed, and the fluid examined chemically and histologically. In the chemical work we had the advantage of Dr. G. W. Ross' co-operation during the early months of 1909. This resulted in the discovery of a useful chemical test, the ammonium sulphate ring test, for the diagnosis of general paralysis. It is one extremely simple of application by the practitioner, and in our experience is, apart from the complicated Wassermann reaction, the most reliable test at present available in the diagnosis of general paralysis. An account of it is published in a joint paper by Dr. Ross and myself, entitled "On the Use of Certain New Chemical Tests in the Diagnosis of General Paralysis and Tabes," *Brit. Med. Journ.,* May 8th, 1909. I have dealt exhaustively with the whole subject of the albuminous substances in the cerebro-spinal fluid of this disease in a later paper, "The Proteid Content of the Cerebro-Spinal Fluid in General Paralysis," *Rev. of Neurol. and Psychiatry,* June, 1909; and with the subject of the Wassermann and allied reactions in another paper, "Review of our Present Knowledge of the Sero-diagnosis of General Paralysis," *Amer. Journ. of Insanity,* April, 1909.

The subject of Psycho-pathology has also not been neglected, although work in this is at present greatly hampered by the absence of a special laboratory for the purpose, or even of a suitable examination-room. A large number of association reactions have been taken, and the results have been useful in enabling us to trace strong emotional memories that had been important in determining various symptoms. Several cases have been selected for more especial study, and an account of one of these was published in a recent article, "Psycho-analytic notes on a case of Hypomania," *Amer. Journ. of Insanity,* Oct., 1909.

In concluding this report, I wish especially to pay a warm tribute to the indefatigable enthusiasm and high capacity of my laboratory assistant, Mr. Frederick

Thiebault, without whose labors much of the work could not have been performed. His ingenuity has recently enabled him to devise two new and valuable staining methods for the study of the cerebral cortex, an illustrated account of which will be published in a forthcoming number of the *Asylum Bulletin*.

I have the honor to be,

Sirs,

Your obedient servant,

C. K. Clarke,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, TORONTO, FOR THE YEAR ENDING OCTOBER 31ST, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

——	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	426	426	852			
In Residence Dec. 31st, 1908				413	456	869
Admitted During Year, 1909:—						
By Warrant	43	11	54			
By Medical Certificate	64	73	137	107	84	191
Total number under treatment during year	107	84	191	520	540	1,060
Discharges during year:—						
As recovered	16	16	32			
" improved	23	18	41			
" unimproved	4	2	6			
" not insane	1	.....	1			
Total number discharged during year	44	36	80			
Died	32	22	54			
Deported	8	3	11			
Eloped	10	.....	10			
Transferred	4	6	10	98	67	165
Remaining in Hospital, Oct. 31st, 1909.	.....	.....	.....	422	473	895
Total number admitted since opening of Hospital	.....	.....	.....	5,393	5,137	10,530
Total number discharged since opening of Hospital	2,738	2,753	5,491			
Total number died since opening of Hospital	1,466	1,193	2,659			
Total number deported since opening of Hospital (included in total number discharged)	30	4	34			
Total number eloped since opening of Hospital	118	15	133			
Total number transferred since opening of Hospital	649	703	1,352	4,971	4,664	9,635
Total number remaining in Hospital, Oct. 31st, 1909	42 2	473	89 5	422	473	895
Daily average population	4 11	453	864			
Collective days' stay of all patients in residence during year	124,916	137,752	262,668			
Number of applications on fyle	67	27	94			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	51	38	89	2,884	2,012	4,896
Married	44	38	82	2,486	3,104	5,590
Widowed	11	8	19	20	20	40
Divorced	.....	.....	.....	.....	.....	.....
Separated	.....	.....	.....	.....	.....	.....
Unascertained	1	.....	1	3	1	4
Total	107	84	191	5,393	5,137	10,530
RELIGION.						
Baptists	2	2	4	134	138	272
Congregationalists	.....	.....	.....	51	79	130
Episcopalians	34	19	53	1,552	1,428	2,980
Methodists	20	13	33	1,023	1,058	2,081
Presbyterians	19	13	32	1,155	1,086	2,241
Roman Catholics	17	22	39	992	956	1,948
Other Denominations	12	12	24	351	321	672
Unascertained	3	3	6	135	71	206
Total	107	84	191	5,393	5,137	10,530

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	107	84	191	.....	.....	.....
Total born in Canada	54	57	111	2,311	2,322	4,633
Armenia	.....	.....	.....	.....	.....	.....
Assyria	.....	.....	.....	.....	.....	.....
Austria	.....	.....	.....	.....	.....	.....
Australia	.....	.....	.....	.....	.....	.....
Belgium	.....	.....	.....	.....	.....	.....
Other Countries	.....	.....	.....	160	130	290
Central America	.....	.....	.....	.....	.....	.....
China	.....	.....	.....	.....	.....	.....
Denmark	.....	.....	.....	.....	.....	.....
England	22	12	34	1,006	835	1,841
France	.....	.....	.....	.....	.....	.....
Finland	.....	.....	.....	1	1	2
Galicia	.....	.....	.....	.....	.....	.....
Germany	1	.....	1	3	.....	3
Greece	.....	.....	.....	1	.....	1
Holland	.....	.....	.....	.....	.....	.....
Hungary	.....	.....	.....	.....	.....	.....
Ireland	10	8	18	1,127	1,150	2,277
Italy	.....	.....	.....	2	.....	2
Japan	.....	.....	.....	.....	.....	.....
Macedonia	.....	.....	.....	.....	.....	.....
Other British Possessions	.....	.....	.....	1	.....	1
Norway	.....	.....	.....	.....	1	1
Roumania	.....	1	1	.....	1	1
Russia	5	2	7	7	3	10
Scotland	8	2	10	543	466	1,009
South America	.....	.....	.....	.....	.....	.....
Spain	.....	.....	.....	.....	.....	.....
Sweden	.....	.....	.....	.....	.....	.....
Turkey	.....	.....	.....	.....	.....	.....
United States	6	2	8	181	199	380
West Indies	.....	.....	.....	.....	.....	.....
Unascertained	1	.....	1	50	29	79
Total	107	84	191	5,393	5,137	10,530

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	6	.....	6	239	13	252
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	21	5	26	608	45	653
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	10	.....	10	1,360	.....	1,360
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	17	.....	17	494	.....	494
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	12	8	20	450	233	683
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	13	13	66	1,24 1	1,307
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	2	55	57	226	2,701	2,927
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	128	2	130
Laborers	29	.....	29	1,310	.....	1,310
No Occupation	8	3	11	198	534	732
Unascertained	2	.....	2	314	368	682
Total	107	84	191	5,393	5,137	10,530

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District	....	....	....	13	16	29	....	....	....	5	1	6	2	4	6
Brant	1	....	1	49	60	109	....	....	....	2	3	5	1	2	3
Bruce	....	....	....	25	14	39	....	....	....	5	....	5	1	2	3
Carleton	....	....	....	81	66	147	....	....	....	12	2	14	4	...	4
Dufferin	1	....	1	8	9	17	....	....	....	3	1	4	1	2	3
Dundas	....	....	....	17	16	33	....	....	....	3	1	4	....	....	....
Durham	1	3	4	172	162	334	....	....	....	34	17	51	10	8	18
Elgin	....	....	....	33	25	58	....	....	....	1	..	1	1	1	2
Essex	....	....	....	18	16	34	....	....	....	2	3	5	1	...	1
Frontenac	....	....	....	104	75	179	....	....	....	23	13	36	1	2	3
Glengarry	....	....	....	30	21	51	....	....	....	4	2	6	2	...	2
Grenville	....	....	....	19	17	36	....	....	....	5	1	6	1	...	1
Grey	....	....	....	115	90	205	....	....	....	58	17	75	5	1	6
Haldimand	....	....	....	26	25	51	....	....	....	5	1	6	....	....	....
Halton	....	....	....	82	66	148	....	....	....	5	2	7	...	5	5
Hastings	2	1	3	116	89	205	....	....	....	53	27	80	7	2	9
Huron	....	....	....	64	59	123	....	....	....	4	1	5	2	3	5
Kent	....	....	....	26	23	49	....	....	....	6	2	8	1	..	1
Lambton	....	....	....	30	20	54	....	....	....	3	2	5	1	1	2
Lanark	....	....	....	50	43	93	....	....	....	9	6	15	1	...	1
Leeds	....	....	....	41	35	76	....	....	....	6	4	10	1	1	2
Lennox and Addington	....	1	1	26	19	45	....	....	....	12	1	13	2	...	2
Lincoln	1	....	1	100	84	184	....	....	....	14	10	24	1	1	2
Middlesex	....	....	....	82	79	161	....	....	....	1	....	1	...	3	3
Muskoka District	....	....	....	20	20	40	....	....	....	3	2	5	....	....	....
Nipissing District	1	1	2	3	5	8	....	....	....	1	2	3	2	1	3
Norfolk	....	....	....	18	21	39	....	....	....	....	....	....	....	....	....
Northumberland	2	....	2	146	136	282	1	....	1	29	11	40	9	5	14
Ontario	2	....	2	196	178	374	1	....	1	65	30	95	9	9	18
Oxford	....	....	....	39	40	79	....	....	....	4	5	9	4	...	4
Parry Sound District	....	....	....	1	2	3	....	....	....	....	....	....	1	1	2
Peel	....	1	1	127	128	255	....	....	....	31	10	41	4	8	12
Perth	....	....	....	50	48	98	....	....	....	7	....	7	1	1	2
Peterborough	....	....	....	101	98	199	....	....	....	44	15	59	9	2	11
Prescott	....	....	....	21	21	42	....	....	....	3	1	4	....	....	....
Prince Edward	....	....	....	26	29	55	....	....	....	3	....	3	...	1	1
Rainy River District	....	1	1	5	4	9	....	....	....	4	2	6	....	..	....
Renfrew	....	....	....	4	11	15	....	....	....	....	....	....	1	1	2
Russell	....	....	....	12	10	22	....	....	....	2	1	3	....	....	....
Simcoe	....	....	....	68	68	136	....	....	....	26	12	38	6	7	13
Stormont	....	....	....	49	34	83	....	....	....	6	3	9	1	1	2
Thunder Bay District	....	....	....	1	2	3	....	....	....	....	....	....	1	1	2
Victoria	1	....	1	143	145	288	....	....	....	52	26	78	5	5	10
Waterloo	....	....	....	52	54	106	....	....	....	10	4	14	3	4	7
Welland	1	....	1	51	50	101	....	....	....	6	4	10	2	4	6
Wellington	....	....	....	150	151	301	....	....	....	14	4	18	4	6	10
Wentworth	1	....	1	232	210	442	....	....	....	39	9	48	4	2	6
York	93	76	169	2,400	2,495	4,895	41	11	52	804	517	1,321	304	372	676
Unascertained	....	....	....	151	48	195	....	....	....	88	14	102	6	4	10
Total	107	84	191	5,393	5,137	10,530	43	11	54	1,516	789	2,305	416	473	895

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
Moral.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	4	15	19	.....	2	2	17
Mental Strain, Worry and Overwork (not included in above)	4	3	7	.....	.....	.....	7
Religious Excitement	.....	.....	.....	.....	.....	.....	.....
Love affairs, including seduction	.....	2	2	.....	2	2	.....
Fright and Nervous Shock	.....	1	1	.....	.....	.....	1
Physical.							
Alcoholism	19	3	22	3	.....	3	19
Sexual Excess	1	.....	1	.....	.....	.....	1
Venereal Disease	.....	.....	.....	.....	.....	.....	.....
Masturbation	4	.....	4	2	.....	2	2
Insolation	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	3	1	4	2	.....	2	2
Pregnancy	.....	8	8	1	2	3	5
Parturition and Puerperium	.....	2	2	.....	.....	.....	2
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	3	3	.....	2	2	1
Fevers	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork	4	3	7	.....	1	1	6
Epilepsy	4	2	6	.....	.....	.....	6
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	1	.....	1	.....	.....	.....	1
Senility	1	.....	1	1	.....	1	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	5	1	6	2	.....	2	4
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	1	4	5	.....	.....	.....	5
Other Bodily Diseases	1	1	2	1	.....	1	1
Hereditary.							
Congenital Defect	9	5	14	2	.....	2	12
Unascertained	45	30	75	3	2	5	70
Not Insane	1	.....	1	.....	.....	.....	1
Total	107	84	191	17	11	28	163

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	4	5	9
Maternal Branch	6	4	10
Paternal and Maternal Branches	2	.....	2
Collateral Branches	5	2	7
No Hereditary Tendency	21	12	33
Unascertained	69	61	130
Total	107	84	191

TABLE No. 8.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	44	36	80
Discharged, Recovered	16	16	32
" Improved	23	18	41
" Unimproved	4	2	6
Not Insane	1	.....	1
Died	32	22	54
Returned to Hospital	20	21	41
Absent on probation on October 31st, 1909	19	23	42
Total Probational Discharges	.....	.....	.....

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Jan. 1st, 1900.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever					1	1
Influenza				1	3	4
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas		1	1	1	2	3
Septicæmia	1	1	2	5	5	10
Dysentery		2	2	1	3	4
Syphilis		1	1		1	1
Tuberculosis		6	6	26	56	82
Constitutional Diseases:—						
Rheumatism						
Arthritis Deformans						
Diabetes Mellitus					1	1
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Stomach				1	2	3
Diseases of the Intestines:—				5	5	10
Diseases of the Liver				2	1	3
Diseases of the Pancreas						
Diseases of the Peritoneum				2	5	7
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
" " Bronchi				3	4	7
" " Lungs	3	1	4	15	24	39
" " Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
" " Heart	1		1	34	23	57
Arterio-sclerosis	2		2	11		11
Aneurism				1		1
Diseases of the Blood and Ductless Glands:—						
Anæmia		1	1		1	1
Pernicious Anæmia				2		2
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System				10	8	18
Carried Forward	7	13	20	120	145	265

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Jan. 1st, 1900.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	7	13	20	120	145	265
Diseases of the Nervous System:—						
Diseases of the Nerves	2	1	3	2	1	3
" " Spinal Cord	.....	.....	.....	.....	.....	.....
" " Meninges	.....	.....	.....	1	1	2
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)	2	.....	2	13	10	23
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	.....	.....	.....	.....	.....	.....
Epilepsy	.....	.....	.....	18	6	24
Mental Diseases:—						
Exhaustion of Acute Mental Disease	.....	3	3	17	20	37
Exhaustion of Chronic Mental Disease	2	1	3	6	2	8
General Paresis	15	.....	15	87	8	95
Intoxications:—						
Alcoholism	.....	.....	.....	1	... ...	1
Morphinism	.....	.....	.....	.. ....	.....	.....
Metallic Poisoning	.....	.....	.....	.....	.....	.....
Heat Stroke	.....	.....	.....	.....	.....	.....
Debility of Old Age	4	4	8	34	28	62
Accident	.....	.....	.....	.....	2	2
Suicide	.....	.....	.....	5	3	8
Surgical Diseases	.....	.....	.....	.....	.....	....
Gynæcological Diseases	.....	. ....	.....	.....	.....	.....
Malignant New Growths, or Cancer	.....	.....	.....	3	3	6
Total	32	22	54	307	229	536

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	....	....	....	....	....	....	....	....
(b) Infection Delirium	....	....	....	....	....	....	....	....	....
(c) Post Infection Psychoses	....	....	....	....	....	....	....	....	....
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	....	....	....	....	....	....	1	1
(b) Acute Confusional Psychoses	....	3	3	1	....	1	....	2	2
(c) Neurasthenia	....	....	....	....	....	....	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	....	....	....	....	....	....	....	....	....
(b) Chronic "	2	1	3	1	....	1	....	....	....
(a) Alcoholism (acute and chronic)	5	2	7	7	1	8	....	....	....
(b) Delirium Tremens	....	....	....	....	....	....	....	....	....
(c) Korsakow's Psychoses	....	....	....	....	....	....	....	....	....
(d) Acute Alcoholic Hallucinosis	....	....	....	....	....	....	....	....	....
(e) Alcoholic Hallucinatory Dementia	....	....	....	....	....	....	....	....	....
(f) " Paranoia	....	....	....	....	....	....	....	....	....
(g) " Paresis	....	....	....	....	....	....	....	....	....
(h) Morphinism	1	....	1	1	....	1	....	....	....
(i) Cocainism	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	....	....	....	....	....	....	....
(b) Cretinism	....	....	....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	22	21	43	15	9	24	4	6	10
(b) Catatonic	5	11	16	2	6	8	....	2	2
(c) Paranoid	15	8	23	5	3	8	2	2	4
General Paresis	19	....	19	4	....	4	14	....	14
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	....	....	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	....	....	....	....	....	....	....
(d) Cerebral Syphilis	....	....	....	....	....	....	....	....	....
(e) Tabetic Psychoses	....	....	....	....	....	....	....	....	....
(f) Arterio-sclerotic Psychoses	3	....	3	....	1	1	1	....	1
(g) Cerebral Tumor, Abscess, Hæmorrhage	....	....	....	....	....	....	....	....	....
Involution Psychoses:—									
(a) Melancholia	....	3	3	....	4	4	....	1	1
(b) Pre-senile Delusional Psychoses	1	3	4	....	....	....	....	1	1
(c) Senile Dementia	7	3	10	2	....	2	7	4	11
Manic Depressive Psychoses:—									
(a) Manic States	7	11	18	2	9	11	2	1	3
(b) Depressed States	4	9	13	3	3	6	2	1	3
(c) Mixed States	3	3	6	4	3	7	....	....	....
Paranoia	....	....	....	....	....	....	....	....	....
Carried Forward	94	78	172	47	39	86	32	21	53

TABLE No. 10.—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	94	78	172	47	39	86	32	21	53
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	5	1	6	3	....	3	....	1	1
(b) Hysterical Psychoses	....	1	1	....	....	....	....	....	....
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	6	4	10	1	....	1	....	....	....
(b) Idiocy	1	....	1	....	.	....	....	....	....
Not Diagnosed	....	....	....	....	....	....	....	....	....
Not Insane	1	....	1	1	....	1	....	....	....
Total	107	84	191	52	39	91	32	22	54

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Not Insane	1	.....	1	.....	.....	.....
Under 1 month	33	27	1	5	1	6
From 1 to 2 months	16	13	2	3	1	5
" 2 " 3 "	13	12	3	2	.....	2
" 3 " 4 "	10	11	1	4	.....	.....
" 4 " 5 "	10	16	5	4	.....	2
" 5 " 6 "	5	9	2	2	.....	2
" 6 " 9 "	13	36	12	3	1	2
" 9 " 12 "	1	9	2	2	.....	4
" 12 " 18 "	8	1	.....	1	.....	.....
" 18 months to 2 years	15	112	3	5	.....	7
" 2 to 3 years	11	62	.....	1	.....	9
" 3 " 4 "	13	90	.....	2	1	4
" 4 " 5 "	7	39	.....	1	.....	3
" 5 " 10 "	17	155	.....	3	1	3
" 10 " 15 "	8	117	.....	2	.....	1
" 15 " 20 "	5	94	.....	.....	.....	1
" 20 years and upward	5	92	.....	1	1	3
Totals	191	895	32	41	6	54

HOSPITAL FOR THE INSANE, LONDON.

C. R. W. Postlethwaite, Esq., and E. R. Rogers, Esq.,

Inspectors of Prisons, etc., Toronto, Ontario.

Sirs,—In accordance with the statutory requirements I have the honor to submit the thirty-ninth annual report of this Hospital for the ten months ending October 31st, 1909.

	Males	Females	Total	Males	Females	Total
There were in residence on 31st Dec. 1908.				540	563	1,103
Admitted during the year:						
By Warrant	27	9	36			
By Medical Certificate	63	66	129	90	75	165
Total number under treatment during year				630	638	1,268
Discharged during the year:						
Recovered	40	34	74			
Improved	21	24	45			
Unimproved	3	1	4			
Total	64	59	123			
Died	21	23	44			
Deported	1		1			
Eloped	1	1	2			
Transferred	2		2	89	83	172
Remaining in Hospital Oct. 31st, 1909				541	555	1,096

Admissions.

Immediately after the tragedy which occurred near Orangeville in the early part of the year, where an insane man committed a murder, a very large number of applications for admission were received. It appeared as if everyone who showed the least sign of mental weakness was suspected by his relatives and neighbors as being a dangerous person. This condition has, to a great extent, continued during the year, but owing to the overcrowded state of our wards we were obliged to postpone admission to many patients. From sixteen applications thus held over nothing further has been heard, and from eleven cases, where the history pointed to urgency and where admission was awarded, no further steps were taken by the relatives and friends.

It might be supposed that a careful examination of each individual history would enable us to exclude those cases in which hospital treatment was not required. Unfortunately, entire reliance cannot always be placed upon this history either in warrant or certificate cases. Possibly the number of questions to be answered by a busy physician does not tend towards accuracy. I have, however, endeavored to admit every acute case without any unnecessary delay, and it is quite customary for such patients to be in our hospital within twenty-four hours after the application is made.

The number of admissions during the ten months of the present year was 165, or practically the same number as for a similar period last year. During the year our population has decreased by seven.

Discharges.

The total discharges during the year number 123, or 74.54 per cent. of the admissions. Those discharged as improved or recovered number 119, or 72.1 per cent. of the admissions.

The discharge rate since the opening of the Hospital thirty-nine years ago to the beginning of the present year equals 41.7 per cent. of the admissions. The total discharged equalled 11.18 per cent., and the discharges of those recovered 6.72 per cent. of the daily average population. The total discharges for five years previous to this averaged 7.12 per cent., and the discharges of those recovered 5.52 per cent. of the daily average population. It must be remembered that the discharges for the present year are for a period of only ten months, while the daily average population is practically the same for the full period of twelve months.

While it may not be possible to maintain this high rate of discharges, it is confidently expected and hoped that the influence of hydrotherapy and the great benefits derived from the reception hospital will place it considerably above the average of the past.

Deaths.

During the ten months 44 deaths occurred, or 3.48 per cent. of the total number under treatment. No deaths are recorded from infectious diseases—with the exception of dysentery, which claimed one victim, and tuberculosis, which caused fifteen, or slightly over one-third of the total death list. Since the opening of this Hospital 311 deaths are recorded from this disease, or 16.31 per cent. of the entire death-rate. The early stage of tuberculosis is often difficult to detect in the chronic insane. The physical symptoms are masked, and it is practically impossible to obtain sputa for microscopic examination.

Our facilities for isolating tubercular patients are not what they should be; in fact, with the exception of placing them in single rooms, we are unable to do anything in this way during the winter months. However, by enclosing the third storey of each of the two splendid balconies, erected during the past summer, with glass, and placing a few steam coils in them for heating purposes, a first-class tubercular hospital will be obtained for a very small expense. Before another year we hope to have this improvement made. No deaths occurred during the year from accident or suicide.

Reception Hospital.

After an experience of over eighteen months our most sanguine expectations regarding this particular part of the Institution have been more than realized, and it is difficult to imagine how our work could be successfully carried on without it. All patients on admission are immediately placed in this building and remain there, in every instance, until their case is thoroughly studied. A very considerable number remain until they are able to return to their homes. They never mingle with the great mass of chronic patients, and many of them scarcely realize that they are being treated in other than a general hospital. Unfortunately a very considerable number of the recent cases are chronic before they come to us, and little can be done to improve their condition. These are soon transferred to other wards, and the endeavor is to always have in the Reception Hospital cases which are improving or capable of being improved. In addition to the recent cases many were admitted

from other wards, some suffering from bodily sickness, some from accidents, but the great majority because they showed some improvement and it was desired to make a special study of their mental condition and to give them the benefit of closer individual attention than was possible in the other wards. A very fair percentage of those discharged have come from these patients.

In connection with this department we have a staff of eighteen nurses, or an average of one to every 3.5 patients. This proportion may seem large, but there are none too many; in fact, very frequently not enough to carry out the treatment prescribed.

Many of these patients during the acute stage of their illness require the service of a special nurse night and day; and while it may be considered poor business policy to provide a special nurse for a free patient, or one paying at the most $2.75 per week, it undoubtedly pays in the end, even from a financial point of view. When it is considered that the earning power of the chronic insane is practically nothing during what is often a long life, and that the majority eventually become a charge on the public, no care and no expense, in the early stage of their illness, is too great which will aid in any degree to their recovery. No therapeutic measure equals the constant attention of a trained and intelligent nurse.

The continuous baths and other hydrotherapeutic measures have proved of the very greatest value in the treatment of our patients. By means of the former we have been able to practically abolish the use of hypnotic drugs. The soothing and sedative influence of the warm continuous bath is often extraordinary, and its effect on preventing bed sores and healing abrasions of the skin is quite as remarkable. Some of our patients, especially those in the last stages of paresis, when the slightest pressure will cause bed sores, have spent months in these baths with apparent comfort; and in one who came to us in a terribly mutilated condition, having deliberately cut off the penis and scrotum with a rusty pair of scissors, the healing process has gone on more satisfactorily than under any other method of treatment. I am also convinced that the continuous bath affords the very best method of treating typhoid fever, especially those where delirium and restlessness form the prominent feature.

There are many other diseases, both of a surgical and medical nature, which cannot fail to be benefited by this treatment, and from my observations I am convinced that hydrotherapy will become an established method of treatment, not only in hospitals for insane, but in all other hospitals.

Fresh air, hydrotherapy, generous diet and careful nursing are the important features of our treatment. The food is of the best both as to quality and cooking, and the daily allowance of milk, from our own dairy, averages one quart for each patient.

The success of the Reception Hospital is largely due to the unwearied efforts of Dr. Forster, the Assistant Superintendent, and to Miss MacVicar, the director of nurses, who not only has complete charge of the nursing staff in both male and female wards, but also directs the internal economy of the Hospital.

Improvements.

The work done during the year by our staff has been so great and of such a varied character that it is impossible to particularize.

The largest and most important was the building of two splendid, three-storey balconies at each end of the main building. Large doors connect these balconies with the interior of the building, and they practically form six open-air wards.

They will also prove of great value as a ready means of escape in case of fire, as it is possible for every patient, with the exception of about seventy on the fourth floor, who have a separate fire escape, to gain access to them in two minutes.

These balconies were built for the amount appropriated, $2,500, as no outside labor was employed. Had they been built by contract, the cost could not have been much less than $5,000.

Another great improvement has been the installation of shower baths on the male side of the main building. This work will be continued as time permits until all the bathrooms are equipped with showers.

During the year a staff of patients, under a skilled attendant, has been constantly employed in upholstering and repairing furniture and renovating mattresses. As an experiment a considerable quantity of strong mission furniture was bought without upholstery. After keeping strict account of everything—material, board and wages of the attendant—a saving of over 25 per cent. on the price of finished furniture was effected. Some 500 mattresses have been completely renovated. The hair was washed, sterilized and passed through a picking machine. The mattresses were then re-made, with the addition of enough material to make a comfortable bed. This sort of work makes very little show, but it adds greatly to the comfort and health of hundreds of patients, who have now clean, comfortable beds to sleep on.

At the time of writing our workmen are engaged in the construction of a covered curling and skating rink, two hundred feet long and sixty-four feet wide. This, when completed, will be one of the best rinks in the country, and will be a great source of pleasure to a large number of patients and employees.

During the past summer the exterior of all the buildings which had not been painted the previous year received a much-needed coat of paint. This work, although largely done by outside help, was materially aided by our own painter with a staff of patients.

A considerable amount of new machinery has also been installed, including three washing machines in the laundry, and a large dough mixer in the bakery, all of these taking the place of smaller machines, and a small machine, which has proved most useful, for sharpening of lawn mowers.

Chronic Patients.

These include the great bulk of our population, and while all may be considered chronic, all are by no means hopeless. One patient during the past year went out in the world to earn his living after nineteen years' residence, and another after thirteen years.

Amongst these patients are a considerable number of quiet, harmless men and women quite suitable to be placed in Houses of Refuge. At various times, when every available bed in the Institution was filled, we have endeavored to return some of these harmless patients to the counties from which they originally came in exchange for acute cases in urgent need of treatment, but, with the exception of the County of Middlesex and the County of Perth, our efforts have been unavailing. Some counties flatly refuse to assume this rightful burden, and prefer to allow their acute cases to remain in the County Gaol for a much longer period than would otherwise be necessary.

The care and treatment of these chronic patients is almost as important as the care and treatment of the acute cases. While ultimate recovery can only be expected in a small percentage, much can be done to improve their mental condition and to prevent them sinking into hopeless dements.

Occupation, mingled with amusement and recreation, is probably the most important means we have towards this end. This Hospital is especially fortunate in possessing a farm of 535 acres, which provides ideal occupation for a large number of patients.

In addition to the farm, garden, dairy and ornamental grounds, a considerable number of our patients are employed in the various workshops connected with the Institution.

A systematic attempt at a manual training school has not yet been undertaken, although it is a feature from which good results might be expected. Our mechanics, as a rule, are too busy, and perhaps not quite competent to undertake this work, which requires special qualifications. The nearest approach we have made is the establishment of the upholstering and mattress making department, which thus far has given the greatest satisfaction.

Farm and Garden.

The work of these departments was considerably hampered by a cold and backward spring, but in spite of this, with the exception of roots and corn, a most abundant crop has been secured. As our orchard has never produced more than a small fraction of the apples which should be used by our patients, a new orchard, consisting of three hundred trees, was set out in the spring. These trees are equally divided between the three standard varieties: Spies, Baldwins and Greenings.

The chief new work on the farm has been the reclamation of some fifty acres of land, mostly swamp, on the north farm. This land has been thoroughly tile-drained and ploughed, and will prove a valuable acquisition to our farm. I have to thank Prof. W. E. Day, of the O.A.C., who surveyed this land and laid out the drains. This work was all done by patient-labor.

During the year we completely renovated one of our dairy stables, adding a new ventilating system, which makes it quite equal, from a sanitary point of view, to any stable in the Province. A brick foundation was also built under a frame-barn on the north farm at a very slight cost, as all the brick used was taken from the ruins of a cottage burnt two years ago. We have, at the present time, a herd of very promising dairy cows. During the year we have continued the practice of keeping an individual record of each cow by weighing the milk every second day. This has enabled us to keep weeding out the poor cows or "star-boarders," as they are often called. Last year we discarded all cows that gave less than six thousand pounds of milk during their lactation period. This mark has now been raised to seven thousand pounds. Our herd is composed, to a large extent, of grade Holstein cows, headed by a pure Holstein bull, and it is hoped that we can gradually increase it to one hundred head by raising the heifer calves from the best cows. In the present state of the dairying industry of this Province it seems almost a crime to slaughter the heifer calves from cows giving seven and eight, and even over ten, thousand pounds of milk per year. By judicious selection we confidently expect in a few years to have a herd of one hundred cows averaging eight thousand pounds of milk a year. With a herd such as this, not only all the milk required for the Institution could be produced, but also a considerable portion of the butter. The establishment at the present time of a small creamery, buying the cream from the neighboring farms, and manufacturing our own butter, would be quite feasible and, I think, profitable. This idea appeals to me very much, chiefly because it would supply us with an abundance of both skim milk and buttermilk. It seems to be

well established that no article of food is more nutritious or more digestible than buttermilk, and I am convinced it would be a valuable addition to our dietary.

The following is a statement of the value of the produce of our farm and garden for the year 1909. The price allowed is that laid down by your Department, and is a fair market price:

Feed and Fodder	$7,228 50
Potatoes from Farm	1,680 00
Milk	5,100 00
Live Hogs, sold	1,812 00
Dressed Pork, consumed	582 00
Produce of Garden	5,347 00
	$21,749 50

Staff.

We were sorry to lose, early in the year, Dr. Harvey Clare, who was promoted to the position of Assistant Superintendent at Mimico. Dr. Vrooman, who was appointed to fill the vacancy thus made, gives promise to become a valuable addition to the medical staff. Miss Jones, who was Matron here for some years, was transferred to the Brockville Hospital, and the vacancy was filled by the appointment of Miss Bray, a graduate of the Macdonald Institute, Guelph.

I have to acknowledge a deep debt of gratitude to every member of the staff for faithful and conscientious work during the year. All have worked with only one end in view—the care and comfort of our patients.

Employees.

I regret to record the death of one of our oldest and most faithful employees—Thomas Westcott, the mason. Mr. Westcott was in the service of this Institution for a period of upwards of twenty-five years, and during that time gave entire satisfaction to the different superintendents. He was a faithful man, who never neglected his work. It mattered not whether it was in some underground place or exposed to the eye, it was done in the same careful, painstaking manner. Much of the work done here will remain a monument to him for years to come.

Many changes have taken place during the year, but all the heads of departments, with the exception of Mr. Westcott, and many of the old and faithful employees still remain with us. I can only say that no Institution could have better, and it is largely owing to their efficient services that the work progresses so smoothly.

A new departure during the year was the installation of a male cook in the kitchen of the main building. When it is considered that more than two thousand meals are served daily from this kitchen, it will readily be appreciated that there are great opportunities for either wasting or saving. As an illustration of the saving effected in one item alone, I find that thirteen thousand three hundred and fifty-one pounds less meat were used for the six months beginning May 1st, 1909, when the change was made, than for a corresponding period of the previous year with a similar population. This great saving was effected by the most careful supervision and attention to the carving and cooking of the meat, and clearly shows the wisdom of placing the very best chef obtainable at the head of the kitchen staff. The value of the meat saved was $1,068, while the increased cost of kitchen help was $132.

I have the honor to be,

Your obedient servant,

W. J. Robinson,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, LONDON, FOR THE YEAR ENDING OCTOBER 31st, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	511	555	1,066			
In residence, December 31st, 1908	.....	.....	.....	540	563	1,103
Admitted during year, 1909						
By Warrant	27	9	36			
By Medical Certificate	63	66	129	90	75	165
Total number under treatment during year	.....	.....	.....	630	638	1,268
Discharges during year:—						
As recovered	40	34	74			
" improved	21	24	45			
" unimproved	3	1	4			
" not insane	.....	.....	.....			
Total number discharged during year	64	59	123			
Died	21	23	44			
Deported	1	.....	1			
Eloped	1	1	2			
Transferred	2	.....	2	89	83	172
Remaining in Hospital, October 31st, 1909	.....	.....	.....	541	555	1,096
Total number admitted since opening of Hospital	.....	.....	.....	3,268	2,926	6,194
Total number discharged since opening of Hospital	1,334	1,250	2,584			
Total number died since opening of Hospital	1,038	868	1,906			
Total number deported since opening of Hospital	4	.....	4			
Total number eloped since opening of Hospital	112	13	125			
Total number transferred since opening of Hospital	239	240	479	2,727	2,371	5,098
Total remaining in Hospital, October 31st, 1909	.....	.....	.....	541	555	1,096
Daily average population	537.69	562.24	1,099.93			
Collective days' stay of all patients in residence during year	163,460	170,921	334,381			
Number of applications on fyle	17	8	25			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Social State.						
Single	40	35	75	1,844	1,122	2,966
Married	45	35	80	1,414	1,793	3,207
Widowed	4	5	9	9	11	20
Divorced	1	.....	1	1	.....	1
Separated	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....
Total	90	75	165	3,268	2,926	6,194
Religion.						
Baptists	6	8	14	233	228	461
Congregationalists	1	.....	1	29	22	51
Episcopallans	17	12	29	600	517	1,117
Methodists	15	25	40	765	785	1,550
Presbyterians	19	10	29	725	635	1,360
Roman Catholics	13	13	26	533	496	1,029
Other Denominations	7	3	10	211	157	368
Unascertained	12	4	16	172	86	258
Total	90	75	165	3,268	2,926	6,194

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	90	75	165	3,268	2,926	6,194
Total born in Canada	72	60	132	1,991	1,777	3,768
Armenia						
Assyria					1	1
Austria						
Australia						
Belgium						
Bulgaria						
Central America						
China				1		1
Denmark					2	2
England	7	7	14	428	322	750
France				3	3	6
Finland						
Galicia						
Germany	1		1	43	40	83
Greece						
Holland				1		1
Hungary						
Ireland	5	2	7	347	409	756
Italy	1	1	2	2	3	5
Japan						
Macedonia						
Other British Possessions				6	1	7
Norway						
Roumania						
Russia				1	2	3
Scotland	2	2	4	253	207	460
South America						
Spain						
Sweden	1		1	6		6
Switzerland				5		5
United States	1	3	4	106	90	196
West Indies				1	1	2
Unascertained				74	68	142
Total	90	75	165	3,268	2,926	6,194

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	2	.....	2	50	25	75
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	7	3	10	244	19	263
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	37	.....	37	1,296	121	1,417
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	11	.....	11	232	.....	232
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	6	5	11	257	104	361
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	8	8	19	421	440
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	4	47	51	47	1,715	1,762
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	44	.....	44
Laborers	17	.....	17	832	1	833
No Occupation	6	12	18	61	174	235
Unascertained	....	.....	.....	186	346	532
Total	90	75	165	3,268	2,926	6,194

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District	....	....	....	9	7	16	....	....	....	8	2	10	1	...	1
Brant	....	....	....	38	35	73	....	....	....	20	11	31	21	19	40
Bruce	7	6	13	239	190	429	5	2	7	122	69	191	74	71	145
Carleton	....	....	....	4	7	11	....	....	....	.....	2	2	...	2	2
Dufferin	....	....	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Dundas	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Durham	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Elgin	5	7	12	218	217	435	1	....	1	64	23	87	44	40	84
Essex	6	6	12	212	183	395	1	....	1	86	53	139	6	1	7
Frontenac	....	....	....	5	8	13	....	....	....	1	....	1	...	...	....
Glengarry	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Grenville	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Grey	1	1	2	14	15	29	....	....	....	9	9	18	1	1	2
Haldimand	....	....	....	22	24	46	....	....	....	11	3	14	...	...	....
Halton	....	....	....	10	7	17	....	....	...	7	3	10	...	...	....
Hastings	....	....	....	5	9	14	....	....	....	2	5	7	...	...	....
Huron	9	5	14	318	306	624	1	1	2	119	70	189	66	60	126
Kent	6	4	10	222	232	454	2	1	3	71	37	108	60	51	111
Lambton	13	7	20	354	248	602	4	....	4	176	56	232	44	45	89
Lanark	....	....	....	3	3	6	...	....	....	.....	1	1	...	...	....
Leeds	. .	....	....	.....	5	5	....	....	....	.....	.....	.....	...	...	....
Lennox and Addington	....	....	....	3	1	4	....	....	....	1	....	1	...	...	....
Lincoln	1	....	1	11	6	17	....	....	....	8	1	9	1	...	1
Middlesex	25	30	55	789	755	1,544	9	5	14	236	147	383	123	154	277
Muskoka District	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Nipissing District	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Norfolk	....	....	....	34	37	71	....	....	....	23	13	36	1	1	2
Northumberland	1	....	1	15	10	25	....	....	....	4	2	6	...	...	....
Ontario	....	....	....	6	13	19	....	....	....	1	7	8	...	...	....
Oxford	4	3	7	275	201	476	1	....	1	135	41	176	36	53	89
Parry Sound District	....	....	....	.....	.....	.....	.....	.....	.....	....	....	.....	...	1	1
Peel	....	....	....	4	6	10	....	....	....	3	5	8	...	...	....
Perth	10	6	16	270	210	480	3	....	3	122	55	177	59	39	98
Peterborough	....	....	....	1	6	7	....	....	....	1	6	7	...	...	....
Prescott	....	....	....	2	3	5	....	....	....	1	1	2	...	...	....
Prince Edward	....	....	....	1	1	2	....	....	....	.....	1	1	...	...	....
Rainy River District	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Renfrew	....	....	....	13	21	34	....	....	....	.....	.....	.....	...	...	....
Russell	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	....
Simcoe	....	....	....	5	6	11	....	....	....	5	6	11	...	3	3
Stormont	....	....	....	12	14	26	....	....	....	1	....	1	...	...	....
Thunder Bay District	....	....	....	.....	1	1	....	....	....	.....	.....	.....	...	..	..
Victoria	....	....	....	33	21	54	....	....	...	9	9	18	...	1	1
Waterloo	....	....	....	8	7	15	....	....	....	7	7	14	1	1	2
Welland	....	....	....	20	16	36	....	....	....	3	5	8	...	...	....
Wellington	1	....	1	15	23	38	....	....	....	13	11	24	...	1	1
Wentworth	....	....	....	46	48	94	....	....	....	6	9	15	..	1	1
York	....	....	....	28	22	50	....	....	....	29	31	60	3	9	12
Unascertained	1	....	1	4	2	6	....	....	....	1	....	1	...	1	1
Total	90	75	165	3,268	2,926	6,194	27	9	36	1,305	701	2,006	541	555	1096

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	7	12	19	.....	.....	.....	.....
Mental Strain, Worry and Overwork (not included in above)	6	8	14	.....	.....	.....	.....
Religious Excitement	1	.....	1	.....	.....	.....	.....
Love Affairs, including seduction	3	1	4	.....	.....	.....	.....
Fright and Nervous Shock	.....	3	3	.....	.....	.....	.....
PHYSICAL.							
Alcoholism	8	.....	8	.....	.....	.....	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	3	1	4	.....	.....	.....	.....
Masturbation	.....	.....	.....	.....	.....	.....	.....
Insolation	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	2	1	3	.....	.....	.....	.....
Pregnancy	.....	1	1	.....	.....	.....	.....
Parturition and Puerperium	.....	2	2	.....	.....	.....	.....
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	1	1	.....	.....	.....	.....
Fevers	1	2	3	.....	.....	.....	.....
Privation and Overwork	.....	.....	.....	.....	.....	.....	.....
Epilepsy	3	2	5	.....	.....	.....	.....
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	2	.....	2	.....	.....	.....	.....
Senility	5	6	11	.....	.....	.....	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	2	.....	2	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	1	1	2	.....	.....	.....	.....
Other Bodily Diseases	2	3	5	.....	.....	.....	.....
HEREDITARY.							
Congenital Defect	12	3	15	.....	.....	.....	.....
Unascertained	32	28	60	.....	.....	.....	.....
Not Insane	.....	.....	.....	.....	.....	.....	.....
Total	90	75	165	.....	.....	.....	.....

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	3	1	4
Maternal Branch	2	6	8
Paternal and Maternal Branches	4	1	5
Collateral Branches	7	2	9
No Hereditary Tendency	55	52	107
Unascertained	19	13	32
Total	90	75	165

TABLE No. 8.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	64	59	123
Discharged, Recovered	40	34	74
" Improved	21	24	45
" Unimproved	3	1	4
Died	21	23	44
Returned to Hospital	19	6	25
Absent on Probation on December 31st, 1908	4	10	14
	.....	.....	.....

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				5	2	7
Influenza				3	1	4
Cerebro-spinal Meningitis					1	1
Diphtheria						
Erysipelas				7	6	13
Septicæmia				7	4	11
Dysentery	1		1	50	66	116
Syphilis				1	1	2
Tuberculosis	5	10	15	134	177	311
Constitutional Diseases:—						
Rheumatism				1	1	2
Arthritis Deformans				1	1	2
Diabetes Mellitus				6	2	8
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Diseases of the Intestines:—						
Diseases of the Liver				10	13	23
Diseases of the Pancreas						
Diseases of the Peritoneum				25	17	42
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
" " Bronchi	1		1	18	12	30
" " Lungs	1	1	2	49	39	88
" " Pleura				5	1	6
Diseases of the Circulatory System:—						
Diseases of the Pericardium					1	1
" " Heart	2	4	6	60	71	131
Arterio-sclerosis				1	2	3
Aneurism				4	1	5
Diseases of the Blood and Ductless Glands:—						
Anæmia				2	1	3
Pernicious Anæmia				1		1
Leukæmia				1		1
Exophthalmic Goitre				1		1
Diseases of the Genito-Urinary System	1		1	9	1	10
Carried Forward	11	15	26	401	421	822

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	11	15	26	401	421	822
Diseases of the Nervous System:—						
Diseases of the Nerves				5	5	10
" " Spinal Cord						
" " Meninges				11	7	18
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)	1		1	73	45	118
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)				26	10	36
Epilepsy	1	1	2	93	67	160
Mental Diseases:—						
Exhaustion of Acute Mental Disease		1	1	76	61	137
Exhaustion of Chronic Mental Disease				59	54	113
General Paresis	2	2	4	95	12	107
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	6	4	10	171	144	315
Accident				7	6	13
Suicide				10	7	17
Surgical Diseases				1	3	4
Gynæcological Diseases						
Malignant New Growths, or Cancer				10	26	36
Total	21	23	44	1,038	868	1,906

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	....	....	....	....	....	....	....	....
(b) Infection Delirium	....	....	....	....	....	....	....	....	....
(c) Post Infection Psychoses	1	....	1	1	....	1	....	....	....
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	....	....	....	....	....	....	....	....
(b) Acute Confusional Psychoses	....	3	3	2	4	6	....	....	....
(c) Neurasthenia	....	1	1	....	1	1	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	....	....	....	....	....	....	....	....	....
(b) Chronic "	....	....	....	....	....	....	....	....	....
(a) Alcoholism (acute and chronic)	2	....	2	3	....	3	....	....	....
(b) Delirium Tremens	....	....	....	....	....	....	....	....	....
(c) Korsakow's Psychoses	2	....	2	2	....	2	....	....	....
(d) Acute Alcoholic Hallucinosis	....	....	....	....	....	....	....	....	....
(e) Alcoholic Hallucinatory Dementia	....	....	....	....	....	....	....	....	....
(f) " Paranoia	....	....	....	....	....	....	....	....	....
(g) " Paresis	....	....	....	....	....	....	....	....	....
(h) Morphinism	2	....	2	....	....	....	....	....	....
(i) Cocainism	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	....	....	....	....	....	....	....
(b) Cretinism	....	....	....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	14	13	27	12	8	20	5	3	8
(b) Catatonic	5	7	12	6	4	10	....	1	1
(c) Paranoid	13	13	26	6	4	10	2	2	4
General Paresis	4	2	6	1	....	1	3	2	5
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	....	....	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	....	....	....	....	....	....	....
(d) Cerebral Syphilis	....	....	....	1	....	1	....	....	....
(e) Tabetic Psychoses	....	....	....	....	....	....	....	....	....
(f) Arterio-sclerotic Psychoses	1	....	1	1	....	1	1	....	1
(g) Cerebral Tumor, Abscess, Hæmorrhage	....	....	....	1	....	1	....	....	....
(h) Paralysis Agitans	....	....	....	....	1	1	....	....	....
Involution Psychoses:—									
(a) Melancholia	6	11	17	4	5	9	1	3	4
(b) Pre-senile Delusional Psychoses	1	2	3	2	1	3	....	....	....
(c) Senile Dementia	7	4	11	3	5	8	5	6	11
Manic Depressive Psychoses:—									
(a) Manic States	9	9	18	12	15	27	1	....	1
(b) Depressed States	1	1	2	3	2	5	....	....	....
(c) Mixed States	1	2	3	....	4	4	....	3	3
Carried Forward	69	68	137	60	54	114	18	20	38

TABLE No. 10 *Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	69	68	137	60	54	114	18	20	38
Paranoia	....	....	....	....	1	1	1	....	1
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	3	2	5	....	....	....	2	2	4
(b) Hysterical Psychoses	1	1	2	....	1	1	....	1	1
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	14	3	17	2	2	4	....	....	....
(b) Idiocy	....	....	....	....	....	....	....	....	....
Not Diagnosed	3	1	4	2	1	3	....	....	....
Not Insane	....	....	....	....	....	....	....	....	....
Total	90	75	165	64	59	123	21	23	44

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	25	12	1	.....	.....	.....
From 1 to 2 months	13	16	3	1	1	3
" 2 " 3 "	9	15	8	5	1	1
" 3 " 4 "	11	19	10	.....	1	1
" 4 " 5 "	7	11	6	4	.....	2
" 5 " 6 "	9	9	8	6	.....	1
" 6 " 9 "	14	27	13	7	.....	1
" 9 " 12 "	8	26	13	3	.....	3
" 12 " 18 "	13	29	4	8	.....	2
" 18 months to 2 years	9	49	2	2	1	6
" 2 to 3 years	14	80	1	2	.....	4
" 3 " 4 "	2	73	1	2	.....	3
" 4 " 5 "	7	67	1	1	.....	3
" 5 " 10 "	15	206	2	2	.....	5
" 10 " 15 "	3	142	1	.....	.....	4
" 15 " 20 "	3	129	.....	2	.....	1
" 20 years and upwards	3	186	.....	.....	.....	4
Totals	165	1,096	74	45	4	44

HOSPITAL FOR INSANE, KINGSTON.

To Edwin R. Rogers, Esq., and C. W. R. Postlethwaite, Esq.,
Inspectors of Prisons and Public Charities, Toronto, Ont.

Sirs,—I beg to submit my report for the ten months ending Oct. 31st, 1909.

——	Male.	Female.	Total.	Male.	Female.	Total.
Patients remaining in Hospital Jan. 1st, 1909	.....	.....	.....	312	268	580
Admitted during ten months:						
By Lieut.-Governor's Warrant	11	4	15			
By Medical Certificate	36	40	76	47	44	91
	.....	.....	.....	359	312	671
Discharged during year:						
As Recovered	22	11	33			
As Improved	14	6	20			
As Unimproved	1	4	5			
Total number discharged during period	37	21	58			
Died	10	3	13			
Deported		1	1			
Eloped	2	.....	2			
Transferred	.....	5	5	49	30	79
	.....	.....	.....	310	282	592

For the ten months ending Oct. 31st, 1909, there were fifty-eight patients discharged from Rockwood Hospital. Many of the patients received during 1909 were not amenable to treatment, yet, in proportion to our admissions, the results of treatment are most satisfactory and encouraging. The work of a hospital cannot be altogether judged by the number of those discharged as improved or recovered. This does not take into account the labor expended in improving the health of those patients who may never be quite well enough to leave the hospital, but whose condition nevertheless has been rendered far happier by the attention received.

There were ninety-one patients admitted during the ten months covered by this report. A study of the cause of illness of those admitted furnishes much interesting information.

In thirty-six of the ninety-one cases there was a marked family history of insanity. The maternal side was most frequently affected. In many cases the disease exhibited itself in more than one member of the family. In two cases, not numbered in the above, there was a family history of epilepsy. In fifteen cases there was a family history of tubercle. Here also more than one member suffered with remarkable frequency, and the maternal side was the most faulty. Cancer exhibited itself in the family tree of six patients, and in all but one case the maternal branch was attacked. Alcohol was in evidence in the family history of eleven cases, either alone or combined with other affections. Rheumatism was noticed in four cases, while Bright's disease and diabetes played rather inferior parts, being present in two and one case respectively. In twenty-eight cases there was no evidence of family heredity, at least none could be obtained worthy of special mention.

Personal use of alcohol to excess was indicated in sixteen cases, moderate use in two; the remainder were temperate, strictly temperate and total abstainers. In many of these cases alcoholism was a symptom and not the cause of the disease. In but few cases could we feel assured that it was used in a quantity sufficient to be classified as a causation.

Social conditions and environment claimed their victims; this was especially noticed in the Manic Depressive class. The woman, worn down by heavy manual work and the exhaustive drain of child-birth and lactation, breaks down; the farmer who, after years of toil, sees his little savings vanish in a succession of bad crops or an ill-timed investment, becomes depressed. There is another class that stands out clearly and distinctly in the young man or young woman who is expected to work from morning to night with no social enjoyment, no privileges, no advantages, till dull monotony and brooding have done their work. Involution begins before evolution has been completed.

Syphilis has not been the cause of illness in a single case, so far as we can discover. One cannot but notice, however, the important role directly and indirectly exercised by tuberculosis. In our experience it stands forth as one of the most important factors, second only to family history of insanity.

Manic Depressive Psychoses.

Of the ninety-one patients admitted for the ten months of 1909, thirty-seven were of the manic depressive type—nineteen men and eighteen women. Eleven men and fourteen women were married, and eight men and four women were single.

The particular types of the psychoses were as follows: Manic in five men and four women, depressed in thirteen men and twelve women, circular or mixed in one man and two women.

There was marked hereditary taint in ten men and seven women, as far as could be ascertained from the history forms.

The supposed causes were given as follows: Alcoholism, four men; business troubles and family worries, seven men and seven women; poverty and consequent hardship, two women; overwork and worry, four men and seven women. In six cases no definite cause could be ascertained.

In regard to the mental status, three men and seven women had pronounced delusions of persecution. Visual hallucinations were prominent in two men and two women, auditory hallucinations in two men and five women, while two men and six women exhibited well-defined hallucinations of both hearing and seeing.

Attempts at suicide by poisoning, hanging, drowning or cutting the throat had been made by four men and seven women, while suicidal impulses were revealed in other two men and two women, but these cases had made no attempt on their lives.

The occupations were as follows: Farmers, nine; housewives, fourteen; gardeners, two; lumberman, one; clerks, two; housework, two; school teacher, one; bookkeeper, one; laborers, three.

The following are short synopses of two interesting and typical cases:

(1) A female, 46 years of age; first attack, which commenced two months prior to admission; housewife; two children, both living. Nothing important in family history. About two months before admission she commenced to suffer from insomnia and marked irritability. A short time before this insomnia and irritability commenced she had some little trouble with the choir leader of the church to which she belonged, and, being a devoted church worker, she worried

over this a great deal. Has ideas of unworthiness and well-defined hallucinations of hearing. Is afraid she will meet with some terrible death. She is constantly stripping her clothing off, her reason being that the Bible says, "Let us strip the soul naked and send it forth"; this text applies to her, and she must carry it out literally by going about in a nude condition. Her attention is not very stable. No disorientation. Memory good. Considerable retardation and suggestibility. Has a strong suicidal impulse, and made an attempt to hang herself once since admission. Judgment very defective. Her emotional tone is very much exaggerated; cries and moans a great deal. Continually rubbing her face with her hands. Refusing food, and has to be fed forcibly at times. Although she has been under treatment for some weeks her condition does not show any amelioration.

(2) Male, 54 years of age, married, but separated from wife; farmer. Has been very intemperate until seven years ago. First attack, which commenced four months prior to admission. Has suffered from irregular heart for the past ten years; also from insomnia. The cause is given as worry over not being able to get his crops in, on account of the wet condition of his farm. The first symptom noted was that when walking he would give a hop, step and jump. He also complained of what he termed "nervous spells," which tie him in a knot. Had delusions that people were chasing him in order to injure him. Has marked hallucinations of sight. He threatened suicide by hanging, and also has exhibited considerable violence; threatened to kill his daughter and a neighbor. After being under treatment six weeks he made a good recovery.

Dementia Præcox.

During the ten months (Jan. 1st to Oct. 31st, 1909) seventeen patients (nine male and eight female), or 18½ per cent. of total admissions, were diagnosed as cases of dementia præcox.

The ages of those patients at the beginning of the disease were as follows:

	Men.	Women.
15 to 20 years	5	2
21 to 25 "	..	3
26 to 30 "	2	..
31 to 35 "	1	..
36 to 40 "	..	2
41 to 50 "	1	1

Of the eight women, five were married and three single. Of the men, only one was married.

The occupations of these patients were as follows:—Men: Laborers, three; students, one; farmers, four; without occupation, one. Women: Housekeepers, five; seamstress, one; without occupation, two.

Only two cases of the seventeen have a family history clear of insanity, excess of alcoholism or tuberculosis. In one case the father was insane, in four cases alcoholic and in two cases tubercular. The mother was insane in four cases, tubercular in two. Both parents were insane in one case and both tubercular in another. Collateral branches were afflicted with insanity in two cases, with alcoholism in two and with tuberculosis in one. No information was obtainable in two cases. There was no consanguinity of the parents in any case.

With regard to the childhood and early youth of these patients, in two cases there was a history of infantile convulsions, two patients had hysteroid fits at

puberty, one had always been nervous at the menstrual periods. In eight cases no ominous traits were noted. In three cases there was no information as to the early life of the patient.

The exciting causes of the psychosis were: Overwork in two instances, typhoid fever in two, grief in two; child-birth, head trauma, chronic indigestion, unhappy marriage, menopause and poverty each in one case. In four cases friends were unable to assign any cause whatever, and in two cases no information was obtainable.

In one-third of the cases the onset was acute—apparently out of a blue sky. In the remaining cases for some months indefinite neurasthenic symptoms were exhibited; from these the signs of dementia præcox gradually emerged.

False sense perceptions were observed in six cases; hallucinations of hearing were by far the most common, being present in five cases; next in frequency come those of sight, then those of smell and taste.

All of our patients were clear as to time and place, but allopsychic disorientation was marked; delusions of poisoning were present in two cases; delusions of grandeur in four; delusions of persecution in eight. Somatopsychic disorientation was proven in 50 per cent. of the cases.

Depression was present at the commencement of the illness in eleven cases; periods of severe excitement were observed in nine cases; marked disturbance of attention were found in thirteen cases; in one case it could not be tested. Negativismus was found in seven cases, cataleptic symptoms in five, automatism in seven, stereotypy in eight, grimacing in five. The common physical symptoms were exaggerated tendon reflexes, dilatation of the pupils and sluggish circulation. None of our recent cases showed epileptiform convulsions; in fact, such occurrences are very rare among the precocious dements of this Institution; only two cases suffer from the typical fits, and both have been in the Institution for fifteen years or more.

Of special interest to us are a series of six cases which were at first diagnosed as belonging to the catatonic form of dementia præcox, but which were later placed in the manic depressive group. The following is an abstract from our notes on a typical case:

W. L. Admitted Jan. 6th, 1909. Mother died of tuberculosis of intestine at forty years of age. One uncle had tuberculosis. One brother said to have been "queer all his life." One sister, aged thirty-seven, one brother aged thirty-five, and one half-sister aged twenty-two, all living and well. Family history otherwise is negative. Age twenty-three. Unmarried. Nothing ominous occurred during childhood, though he was always a delicate child and rather seclusive. An attack of whooping cough nearly proved fatal. Showed average ability at school.

The patient has been troubled with chronic diarrhœa for years; two years ago he developed a severe attack of eczema, which proved very intractable and worried him so that he could not sleep. One year ago a decline in physical health was noticeable, but the patient was still able to continue his occupation as a clerk in his father's store. In July, 1908, marked weakness and some mental symptoms made their appearance; the patient would forget what he had done a moment before, blundered badly in his figures, had paroxysms of uncontrollable laughter when there was nothing to laugh at. A couple of months later the father noticed that the patient at times walked like a drunken man; he himself realized that he was not right. About Dec. 1st, 1908, he had an attack of delirium; though there was no fever manifested, patient was continually trying to get out of bed; thought he saw fire. There was marked self-accusation; said he had set fire to everything; fancied someone was in bed with him; he believed that he had bitten off a piece of his tongue, which is retained in his mouth; he is constantly chewing it. For the past

two days the patient would do nothing he was told; refused to eat anything, saying it was no use; he cursed and swore all day, and took an axe, with which he tried to strike his sister; when well he never uttered an oath and was of a very kind disposition. (The above information was obtained from his father.)

The medical certificates state: "Patient has a worried look of anxiety, which has changed his appearance very much. Will remain for hours without speaking, will try to catch imaginary things in bed and asked those about him to help him. Expression of face sallow, emaciated; uncertain gait, moves only when requested and then very slowly; will answer questions only with much difficulty. Father tells me he will try to catch things on the wall and in the air; also tries to get something out of his mouth."

The physical examination showed:

Bony and muscular development poor. Height, 5 feet 1 inch. Present weight, 93½ lbs. Decreased to 87 on March 1st, then rose gradually to 107 on May 31st. Real age, twenty-three; looks at least ten years older. Complexion sallow. Body covered with rash (Erythema Multiform). Muscles flabby. No evidence of lues. Small sores over buttocks and elbows suggest poor trophic condition of the skin; even slight pressure causes ecchymosis. Feet and hands very cold. Abrasion on nose from fall while walking. Pupils equal, medium size, react to light, to accommodation and to atropine. Right optic disc pale and misty in appearance, left optic disc slightly pale but edge well defined. Tongue furrowed as if from biting; similar marks on lower lip. Saliva appears to collect on right side of mouth. Several times physician was called to the dining room as attendants thought that patient was choking, but nothing except a mass of mucus was found in the throat. Diminished resonance over upper part of right lung. Diminished expansion of chest and slightly prolonged expiration over same area. No rales heard on auscultation. Spleen not enlarged. Deep tendon reflexes all exaggerated. Plantar reflex gives slight flexor response. Cremastric quite active. Clonus not present. False clonus present at times. Superficial sensation present. Deep sensation delayed and diminished. The thermic sensation normal. No rhombergism. Good grasp in both hands. No tremor. Considerable inco-ordination in both upper and lower limbs. Patient complains of no pain, and yet appears to be suffering from intense nervous irritation; at times the muscular rigidity is so great as to suggest spasticity from organic nervous lesion, but this condition is not permanent, lasting only a day or two. His gait is peculiar; when walking he appears to roll his body towards the right side, the right foot is everted while the left is kept straight. His hands, when at rest, show ulmar deflection of the fingers. His face is absolutely immobile as far as any change of expression is concerned.

The psychological analysis showed:

Fabrications of memory.—Said there was a fire in Arnprior last night, everything was burned up, and he was sure his people were in hell now. Said he escaped from another place and has no right here. Unwilling to answer questions, and when he does replies are almost inaudible. Walked about ward naked. Stupid at times. Paces hall for hours at a time. Shuns other patients.

Jan. 15th. Jumping about corridor, gesticulating, crying, "Blow my brains out, blow my brains out." Tearing his clothing.

Jan. 26th. In spite of extra diet and forced feeding, failing rapidly. Filthy bed and clothing. Takes off his clothing.

Feb. 18th. Lay in bed in a condition like catatonic stupor; resists passive movement with all his might. Struck physician vigorously. Remained for hours

in his bed in a strained attitude. Stupor and rigidity later became so marked that attendants thought he was dead.

Feb. 27th. Brighter, improved, sitting up part of day.

March 2nd. Laughing and chatting freely at times.

April 28th. Wrote good letters to father. Worked next day on ward.

June 7th. Probation.

July 11th. Discharged.

July 20th. Letters received stating he is well and weighs 111 lbs.

Of the series, four made complete recovery after an illness lasting on an average seven months, one case is still in the hospital, and one succumbed to pneumonia after having lain in a condition resembling catatonic stupor for one week.

The physical disturbances in these cases stand out prominently. Trophic disorders were present in all cases, evidenced in trophic ulcers, acne, erythemas, ecchymosis and corneal ulcers. Oedema cyandosis and coldness in extremities and marked dermatographia show vasomotor depression, yet the blood pressure in all cases was high. A peculiar symptom was a greatly increased secretion of a tenacious, foul-smelling mucus in the respiratory and gastro-intestinal tract; it ran from the nose and mouth of these patients, and lavage disclosed the fact that the same condition prevailed in the stomach. In one case the quantity was so great as to repeatedly choke the patient.

Briefly speaking, the symptoms pointing to catatonia dementia præcox were the muscular rigidity, the dream-like hallucinations, stereotypism, the emotional dulness after preliminary depression, mutism, refusal of food, filthy habits, dreuling of saliva, insensibility to pain and the marked circulatory depression. We observed, however, that in these cases a crisis occurred at the time the physical condition was at its lowest; the mental symptoms disappeared, a rapid convalescence followed, and after a very careful investigation of the present condition of these patients we are forced to conclude that the uniform result was *restigio ad integrum,* and therefore we decided that our first diagnosis was incorrect and that we had been dealing with cases of the manic depressive class. The apprehensive depression, especially marked at the commencement of the illness, the impediment of volition and psychomotor retardation, support this hypothesis. It is apparent, however, that in many respects these cases do not conform to the classical description of circular depression.

In no case has there been any recurrence of the mental illness. It is possible that this type belongs to a hybrid disease resembling both catatonic dementia præcox and manic depressive insanity in its mental manifestations, but with certain well-defined physical symptoms peculiar to itself; at any rate these cases offer an attractive field for investigation, first on account of the certainty of a favorable outcome, provided the patient's physical strength can be maintained long enough, and secondly, because the clinical findings so closely resemble those of the much more dangerous malady, catatonic dementia præcox—especially those not uncommon cases of the latter which begin with depression. It may be that one reason for the high percentage of cures in the latter disease, as compared with the paranoid and hebephrenic forms, is that many of the cases included in the tables belong to the type described above.

PATHOLOGIST'S REPORT.

The number of autopsies shows a falling off from previous year, but this is to be ascribed to the low death-rate in the Institution during this period. Seven autopsies were held, and a record of the findings has been filed with the case reports,

and a series of slides illustrating the morbid conditions discovered, placed in the slide cabinet. I have appended to the report a summary of the anatomical findings in the cases examined.

Owing to an outbreak early in the spring of some cases of intestinal disturbance, an investigation of water supply showed same to be occasionally infected with intestinal bacteria. Of eighteen samples examined in spring and summer, eleven were infected with intestinal bacteria. An investigation of the supply proved source of infection to be a break some short distance from shore, thus confirming the bacteriological findings and the clinical results. Several examinations were made of the sewage effluent (after passage through system of treatment at present employed). It was found that even in quantities of 1-10,000 cc. of the effluent water, colon bacilli, streptococci and other fæcal bacteria could readily be demonstrated. Under these circumstances typhoid bacilli, if present, would also pass through undestroyed. I would like also to point out that the waste water from the laundry does not pass through the treatment process, but enters the lake direct, and is also a possible source of carriage of typhoid and other fæcal bacteria.

Some forty-five samples of blood were examined for the Widal reaction, with 21 positive and 244 negative findings. These findings do not represent the actual number of cases infected, as several cases were examined two or three times, owing to the anomalous symptoms, etc.

Other blood examinations were when any variations from normal were found in examinations made by clinical assistants. Five cases of this character were examined, but none were of special importance.

In two cases of moderately active tuberculosis, blood was withdrawn from the median basilic vein and examined for tubercle bacilli. Rosenberger (*American Journal of Medical Sciences,* Feb., 1909) had recorded positive findings of tubercle bacilli in the blood stream in some fifty consecutive cases of tuberculosis. These two cases were amongst a series of six tested by myself according to Rosenberger's method, but also controlled by innoculation of guinea pigs. I was unable to find any bacilli in any of the series, nor did the animals become infected, so that Rosenberger's statement is not borne out by the facts. The work was not carried further, as there seemed no need when negative findings were confirmed by animal experimentation. In the *British Medical Journal,* page 1119, Vol. 2, 1909, similar negative findings are recorded by Hewat and Sutherland. The sputum in seven cases was examined for tubercle bacilli, with four positive findings. Two only of these were new cases.

The urine was examined in a number of cases where pathological findings were detected by the clinical assistants or physicians. Some ten samples were so examined, mostly cases of cystitis.

The cerebro-spinal fluid was examined in three cases only. Twice in undoubted cases of general paresis, when positive lymphocytosis and increase of the euglobulin (albumen) content of the fluid was found; once a negative lymphocytosis and no increase of albumen was found, and this case has since shown no further evidence of paresis.

Naguchi's modification of the Wasserman serum reaction for syphilis has been carried out on several occasions, but with negative findings. The difficulty so far in applying this test has lain in difficulty of securing suitable "antigen." Tests recently made, using the antigen from liver of the fœtus, have been more satisfactory. This test requires, however, more time than can be devoted to it in a general laboratory. It is certainly a valuable test for the diagnosis of syphilis and para-syphilitic infections, including tabes, paresis and syphilitic (direct) insanity.

A number of specimens removed at operations have been sectioned. Among the most interesting was a large annular papilloma of the rectum (papillary type of adenoma), a form of growth that is very liable to become malignant.

The following is a summary of the work done in the Institution laboratory:

Urinalyses	121
Blood Examinations	62
Tuberculin Treatments	53
Moro's Tuberculin Test	4
Antistreptococcus Treatments	5

In addition to this, twenty-seven patients received electrical treatment, and lumbar puncture was performed on five patients.

Summary of anatomical findings; autopsies held during ten months ending October 31st, 1909:

G. H. Jan. 18th, 1909. Sixty-five years. Dementia. Cause of death, cardiac dropsy. Brain œdematous with marked atrophy of substance, especially grey substance, and dilatation of ventricles. Extensive patchy atheroma of all cerebral vessels, but no softening. General œdema and dropsy. Thickened, retracted aortic cusps with incompetence, similar thickening mitral cusps with dilatation of valve ring. Hypertrophy and dilatation of both sides of heart (weight, 23½ oz.). Nutmeg liver. Fibroid spleen. Red granular and congested kidneys. Patchy atheroma of all larger vessels. Small lipoma of jejunum.

N. M. Feb. 1st, 1909. Sixty-eight years. Dementia. Cause of death, senile gangrene. Brain wasted, with marked increase cerebro-spinal fluid and dilatation of ventricles, and pial perivascular lymph channels distended. Extensive patchy atheroma of all cerebral arteries, with rigidity of basal vessels. Patchy softening on superior surface both cerebellar hemispheres, confined to grey matter. Both legs amputated through knee some months previous to death. Left thigh gangrenous (dry) to its middle, right to trunk, and similar gangrenous areas on all parts at all subject to pressure, as over trochanters, sacrum, scapulae and occiput. Advanced diffused arterio-sclerosis, with calcification media of peripheral vessels. Thrombosis of abdominal aorta, common iliacs, external and internal iliacs and their branches. Thrombosis of splenic artery and cystic branch of hepatic. Suppurative cholecystitis. Arterio-sclerotic kidneys. Hypertrophy and dilatation of heart, with right chamber almost filled with ante-mortem thrombus (weight, with clot, 24 ozs.). Hydrothorax. Multiple recent infarcts of both lungs. Old dislocation femur on dorsum ilii, right side.

T. K. Feb. 26th, 1909. Fifty years. Paresis. Right-sided hemorrhagic pachymeningitis, which had had a recent addition. Chronic meningo-encephalitis, with atrophy of cerebral convolutions, thickening of pia and dilatation of perivascular lymph spaces and of cerebral ventricles. Degeneration of posterior columns of cord. Scar on prepuce. Moderate emphysema. Right hypostatic pneumonia. Left tubercular broncho-pneumonia. Patchy atheroma, with a cheesy degeneration of media of aorta (a syphilitic lesion). Slight granular kidneys. Bed sores.

O. U. April 27th, 1909. Seventy-seven years. Dementia. Cause of death, acute bronchitis and broncho-pneumonia. Brain shows general atrophy, with dilated ventricles and milkiness of pia-arachnoid. Patchy atheroma of cerebral vessels, the basal trunks being rigid and pipe-stem like. A diffuse bronchitis, with some lobular consolidation on right side. Gall stones, patchy calcareous atheroma. Granular kidneys. Hydrocele.

W. R. July 19th, 1909. Fifty-one years. Paresis. Brain and cord lesions of paresis, viz., chronic meningo-encephalitis with atrophy of cerebral substance, thickening of pia with adhesions, also dilatation of pial perivascular lymph spaces and of cerebral ventricles with granulation of their walls. Some degeneration of the posterior columns of cord and round celled (lymphocytic) infiltration about the central canal and pial arteries. Scar on prepuce. Scaly eczema most marked on exposed parts. Old fracture (ununited) of lower end radius and ulner, with septic osteitis and arthritis about fragments and wrist joint. Slight emphysema. Patchy atheroma of slight grade. Pale, granular, cystic kidneys. Left inguinal hernia.

S. C. Aug. 6th, 1909. Thirty-five years. Syphilitic insanity. Brain shows lesions of a chronic leptomeningitis and encephalitis with marked pial adhesions, some thickening. Wasting of brain substance, but no focal lesions. Scar on prepuce. General wasting of body. Hypostatic pneumonia both lower lobes posterior halves. Recent fracture ninth and tenth ribs in posterior axillary line left side. Microscopic examinations of brain and cord not completed.

D. A. Sept. 22nd, 1909. Seventy-seven years. Head not examined. Recent fracture of sternum (level lower border third costal cartilage). Ribs on left side from second to ninth were fractured near rib costal junction, and ninth to twelfth in posterior axillary line. On right side second and third ribs fractured outside rib costal articulation, eighth, ninth, tenth in anterior axillary line and sixth at its articulation with transverse process vertebra.

A Training School for Attendants has been opened during the past year. Though attendance on classes is entirely voluntary in so far as the present staff is concerned, it is a pleasure to note that all the younger men are enrolled. Lectures are given in elementary commercial work, on massage, minor surgery, emergencies, ward work, reception and attendance on patients—in fact, on all sides of the work that may be looked for in an ordinary hospital. So far the work promises to be of inestimable value to the attendants and to the Institution.

Ward nursing has been introduced quite extensively. While the bed treatment has been in vogue here for some time, it was felt that a wider application of this principle should be made. Accordingly two of our best and brightest wards, one on the male and one on the female division, have been equipped with modern nursing facilities and utilized as required. All our acute and disturbed patients are put to bed and treated with the same attention as if they suffered from typhoid fever or any other physical disease.

Improvements and advances have been made in all departments of the Institution, both in its scientific and administrative character.

Of the harmony and goodwill obtaining at Rockwood it is not necessary to speak; these are qualities quite inseparable from the Hospital, and have contributed in a large manner to the success of Rockwood.

I have the honor to be,

Sirs,

Your obedient servant,

EDW. RYAN.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, KINGSTON, FOR THE TEN MONTHS ENDING OCTOBER 31ST, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for ten months ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	315	291	606			
In residence, January 1st, 1909	.....	.....	.....	312	268	580
Admitted during ten months, 1909....						
By Warrant	11	4	15			
By Medical Certificate	36	40	76	47	44	91
Total number under treatment during year	.....	.....	.....	359	312	671
Discharges during year:—						
As recovered	22	11	33			
" improved	14	6	20			
" unimproved	1	4	5			
" not insane	.....	.....	.....			
Total number discharged during year.	37	21	58			
Died	10	3	13			
Deported	.....	1	1			
Eloped	2	.....	2			
Transferred	.....	5	5	49	30	79
Remaining in Hospital, October 31st, 1909	.....	.....	.....	310	282	592
Total number admitted since opening of Hospital	.....	.....	.....	2,336	2,033	4,369
Total number discharged since opening of Hospital	984	897	1,881			
Total number died since opening of Hospital	729	558	1,287			
Total number deported since opening of Hospital	2	2	4			
Total number eloped since opening of Hospital	69	1	70			
Total number transferred since opening of Hospital	242	293	535	2,026	1,751	3,777
Total remaining in Hospital October 31st, 1909	.....	.....	.....	310	282	592
Daily average population	310	273	583			
Collective days' stay of all patients in residence during year	94,292	83,107	177,399			
Number of applications on fyle	.....	.....	.....	.....	.....	.....

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Social State.						
Single	23	12	35	1,365	902	2,267
Married	22	27	49	958	1,116	2,074
Widowed	1	4	5	7	13	20
Divorced	.....	.....	.....	.....	1	1
Separated	1	1	2	6	1	7
Unascertained	.....	.....	.....	.....	.....	.....
Total	47	44	91	2,336	2,033	4,369
Religion.						
Baptists	1	1	2	39	40	79
Congregationalists	.....	.....	.....	10	6	16
Episcopalians	5	9	14	466	382	848
Methodists	15	12	27	521	508	1,029
Presbyterians	12	7	19	351	329	680
Roman Catholics	12	13	25	726	647	1,373
Other Denominations	1	.....	1	164	94	258
Unascertained	1	2	3	59	27	86
Total	47	44	91	2,336	2,033	4,369

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	47	44	91	2,336	2,033	4,369
Total born in Canada	36	38	74	1,557	1,382	2,939
Armenia						
Assyria				1		1
Austria						
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	6	3	9	196	132	328
France				1	1	2
Finland				1	2	3
Galicia						
Germany	3		3	31	16	47
Greece						
Holland						
Hungary						
Ireland	1	3	4	324	298	622
Italy				3		3
Japan						
Macedonia						
Other British Possessions				6	4	10
Norway						
Roumania						
Russia				13	2	15
Scotland	1		1	88	91	179
South America						
Switzerland				6		6
Sweden				1		1
Turkey						
United States				28	24	52
West Indies				1	1	2
Unascertained				75	72	147
Other Countries				4	8	12
Total	47	44	91	2,336	2,033	4,369

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	1	1	2	55	2	57
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	6	.....	6	146	2	148
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	23	.....	23	716	4	720
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	1	.....	1	222	.....	222
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	6	.....	6	169	130	299
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	3	3	26	447	473
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	1	33	34	27	1,039	1,066
Miners, Marine Engineers, Railway Employees, Seamen, etc.	1	.....	1	57	.....	57
Laborers	7	.....	7	672	.....	672
No Occupation	1	7	8	76	150	226
Unascertained	.....	.....	.....	127	180	307
Other Occupations	.....	.....	.....	43	79	122
Total	47	44	91	2,336	2,033	4,369

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District				3	2	5				3	2	5			
Brant				6	7	13				6	7	13			
Bruce				3	6	9				3	5	8			
Carleton				203	162	365				166	125	291	32	17	49
Dufferin															
Dundas		1	1	36	33	69							4	5	9
Durham	2	1	3	35	33	68	1	1	2	4	3	7	5	5	10
Elgin				3	4	7				3	4	7			
Essex				3	2	5				3	2	5			
Frontenac	10	11	21	430	421	851				166	106	272	53	81	134
Glengarry				55	52	107							6	4	10
Grenville				58	52	110							2	2	4
Grey				7	9	16				7	9	16			
Haldimand				6	7	13				6	6	12			
Halton				3	2	5				2	1	3			
Hastings	8	14	22	227	200	427	2	1	3	126	65	191	50	41	91
Huron				6	5	11				6	5	11			
Kent				3		3				3		3			
Lambton				12	2	14				12	2	14			
Lanark		1	1	125	123	248				97	87	184	12	12	24
Leeds				82	76	158				79	57	136	8	9	17
Lennox and Addington	5	2	7	175	147	322	2		2	91	46	137	31	21	52
Lincoln				9	7	16				9	5	14			
Middlesex				9	6	15				6	4	10	1		1
Muskoka District				1	1	2					1	1			
Nipissing District					1	1					1	1			
Norfolk				7	5	12				7	5	12	1		1
Northumberland	8	7	15	109	143	252	3	1	4	72	63	135	34	25	59
Ontario				19	23	42				18	22	40			
Oxford				14	4	18				14	3	17			
Parry Sound District															
Peel				4	1	5				4	1	5			
Perth				10	9	19				10	9	19			
Peterborough				9	14	23				8	8	16	2		2
Prescott				48	30	78				41	24	65	1	3	1
Prince Edward	4		4	90	71	161	2		2	32	16	48	19	16	35
Rainy River District				1		1				1		1			
Renfrew	9	7	16	166	153	319	1	1	2	58	22	80	33	26	59
Russell					2	2								2	2
Simcoe				13	12	25				12	11	23	1		1
Stormont				54	48	102				111	73	184	4	4	8
Thunder Bay District				1		1							1		1
Victoria				5	13	18				5	12	17	1		1
Waterloo				11	4	15				11	4	15	1		1
Welland				6	5	11				6	5	11		1	1
Wellington				6	4	10				4	4	8			
Wentworth				16	20	36				13	12	25	2	2	4
York				43	63	106				34	50	84	4	5	9
Unascertained				203	48	251				27	7	34	1	1	2
New Brunswick					1	1									
Quebec	1		1	1		1							1		1
Total	47	44	91	2,336	2,033	4,369	11	4	15	1,286	894	2,180	310	282	592

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	2	1	3	2	2	4	1
Mental Strain, Worry and Overwork (not included in above)	12	18	30	7	11	18	2
Religious Excitement	.....	1	1	.....	1	1	.....
Love Affairs, including seduction	.....	.....	.....	.....	.....	.....	.....
Fright and Nervous Shock	1	.....	1	1	1	2	.....
PHYSICAL.							
Alcoholism	9	2	11	5	.....	5	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	.....	.....	.....	.....	.....	.....	.....
Masturbation	2	.....	2	2	.....	2	.....
Insolation	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	1	.....	1	.....	.....	.....	.....
Pregnancy	.....	.....	.....	.....	.....	.....	.....
Parturition and Puerperium	.....	3	3	.....	1	1	.....
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	2	2	.....	2	2	.....
Fevers	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork	.....	.....	.....	1	.....	1	.....
Epilepsy	1	.....	1	.....	.....	.....	1
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	.....	.....	.....	.....	.....	.....	.....
Senility	4	1	5	3	3	6	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	1	1	2	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases	.....	4	4	.....	2	2	.....
HEREDITARY.							
Congenital Defect	5	7	12	1	2	3	.....
Unascertained	9	4	13	.....	.....	.....	.....
Not Insane	.....	.....	.....	.....	.....	.....	.....
No Heredity stated in 40 cases	.....	.....	.....	.....	.....	.....	40
Total	47	44	91	22	25	47	44

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	10	7	17
Maternal Branch	6	6	12
Paternal and Maternal Branches	.....	1	1
Collateral Branches	7	4	11
No Hereditary Tendency	.....	.....	.....
Unascertained	23	24	47
Admitted twice	1	2	3
Total	47	44	91

TABLE No. 8.

Showing summary of Probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	30	18	48
Discharged, Recovered	17	6	23
" Improved	3	6	9
" Unimproved	.....	.....	.....
Died	.....	.....	.....
Returned to Hospital	5	4	9
Absent on Probation on October 31st, 1909	5	2	7

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Jan. 1st, 1908.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever	.....	1	1	.....	1	1
Influenza	.....	.....	.....	.....	.....	.....
Cerebro-spinal Meningitis	.....	.....	.....	.....	.....	.....
Diphtheria	.....	.....	.....	.....	.....	.....
Erysipelas	.....	.....	.....	.....	.....	.....
Septicæmia	.....	.....	.....	1	.....	1
Dysentery	.....	.....	.....	.....	.....	.....
Syphilis	1	.....	1	1	.....	1
Tuberculosis	.....	.....	.....	2	1	3
Constitutional Diseases:—						
Rheumatism	.....	.....	.....	.....	.....	.....
Arthritis Deformans	.....	.....	.....	.....	.....	.....
Diabetes Mellitus	.....	.....	.....	.....	.....	.....
Diseases of the Digestive System:—						
Mouth, salivary glands	.....	.....	.....	.....	.....	.....
Pharynx	.....	.....	.....	.....	.....	.....
Tonsils	.....	.....	.....	.....	.....	.....
Œsophagus	.....	.....	.....	.....	.....	.....
Diseases of the Intestines:—						
Diseases of the Liver	.....	.....	.....	.....	.....	.....
Diseases of the Pancreas	.....	.....	.....	.....	.....	.....
Diseases of the Peritoneum	.....	.....	.....	2	.....	2
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx	.....	.....	.....	.....	.....	.....
" " Bronchi	.....	.....	.....	.....	.....	.....
" " Lungs	.....	1	1	1	2	3
" " Pleura	.....	.....	.....	.....	.....	.....
Diseases of the Circulatory System:—						
Diseases of the Pericardium	.....	.....	.....	.....	.....	.....
" " Heart	1	.....	1	3	4	7
Arterio-sclerosis	1	.....	1	1	.....	1
Aneurism	.....	.....	.....	.....	.....	.....
Diseases of the Blood and Ductless Glands:—						
Anæmia	.....	.....	.....	.....	.....	.....
Pernicious Anæmia	.....	.....	.....	.....	.....	.....
Leukæmia	.....	.....	.....	.....	.....	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....
Diseases of the Genito-Urinary System	.....	.....	.....	.....	1	1
Carried Forward	3	2	5	11	9	20

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Jan. 1st, 1908.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	3	2	5	11	9	20
Diseases of the Nervous System:—						
Diseases of the Nerves						
" " Spinal Cord						
" " Meninges						
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)	1		1	5	3	8
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)						
Epilepsy						
Mental Diseases:—						
Exhaustion of Acute Mental Disease				1		1
Exhaustion of Chronic Mental Disease		1	1		1	1
General Paresis	2		2	4		4
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	2		2	3		3
Accident	2		2	3		3
Suicide				1		1
Surgical Diseases						
Gynæcological Diseases						
Malignant New Growths, or Cancer					1	1
Total	10	3	13	28	14	42

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses									
Exhaustion Psychoses:—									
(a) Collapsed Delirium									
(b) Acute Confusional Psychoses	1	2	3	1	1	2	....	1	1
(c) Neurasthenia									
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic "									
(a) Alcoholism (acute and chronic)	4	2	6	5	1	6			
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosis									
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia	3	....	3	1	....	1	....	....	....
(g) " Paresis									
(h) Morphinism	1	1	2	1	....	1	....	....	....
(i) Cocainism									
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic	3	....	3	2	....	2	....	....	....
(b) Catatonic	2	3	5	2	2	4	....	....	....
(c) Paranoid	4	5	9	1	1	2	....	....	....
General Paresis							2	....	2
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis							1	..	1
(e) Tabetic Psychoses									
(f) Arterio-sclerotic Psychoses	....	1	1	....	....	....	1	....	1
(g) Cerebral Tumor, Abscess, Hæmorrhage									
Involution Psychoses:—									
(a) Melancholia							....	1	1
(b) Pre-senile Delusional Psychoses	2	1	3	1	....	1			
(c) Senile Dementia	3	4	7	4	1	5	6	....	6
Manic Depressive Psychoses:—									
(a) Manic States	5	4	9	5	6	11			
(b) Depressed States	13	12	25	7	9	16			
(c) Mixed States	1	2	3	1	1	2			
Carried Forward	42	37	79	31	22	53	10	2	12

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	42	37	79	31	22	53	10	2	12
Paranoia	1	....	1	1	....	1	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	1	0	1	....	....	....	....	1	1
(b) Hysterical Psychoses	....	1	1	....	....	....	....	....	....
(c) Sexualis Psychopathia	....	....	.....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	3	6	9	5	....	5	....	....	....
(b) Idiocy	....	....	.....	....	....	....	....	....	....
Not Diagnosed	....	....	.....	....	....	....	....	....	....
Not Insane	....	....	.....	....	....	....	....	....	....
Total	47	44	91	37	22	59	10	3	13

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	15	8	2	.....	2	1
From 1 to 2 months	6	8	6	.....	2	1
" 2 " 3 "	10	7	5	1	.....	1
" 3 " 4 "	3	6	2	2	.....	.....
" 4 " 5 "	3	7	1	2	.....	.....
" 5 " 6 "	1	5	2	.....	1	.....
" 6 " 9 "	4	14	4	3	.....	.....
" 9 " 12 "	1	19	3	2	.....	.....
" 12 " 18 "	3	19	3	3	.....	1
" 18 months to 2 years	1	19	2	3	.....	2
" 2 to 3 years	2	33	2	1	.....	2
" 3 " 4 "	5	26	.....	1	.....	1
" 4 " 5 "	5	27	.....	.....	.....	.....
" 5 " 10 "	6	105	.....	2	.....	.....
" 10 " 15 "	1	90	.....	.....	.....	2
" 15 " 20 "	2	84	.....	.....	.....	.....
Not stated	22	.....	.....	.....	.....	.....
From 20 years and upwards	1	115	1	.....	.....	2
Deported	.....	.....	.....	1	.....	.....
Totals	91	592	33	21	5	13

HOSPITAL FOR THE INSANE, HAMILTON.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE YEAR ENDING OCTOBER 31ST, 1909.

SIRS,—In accordance with the statutory requirement, I beg herewith to submit the thirty-fourth annual report of this Hospital for the period Jan. 1st to Oct. 31st, 1909.

Our population at the commencement of the term was 1,146; the admissions have been 152; discharges as recovered, forty-five; improved, fourteen; unimproved, three; and died, fifty-five.

Three men were deported respectively to Scotland, Austria-Hungary and Italy. Our population on Oct. 31st was 1,153 in residence and twenty-one on temporary probation. Three patients were transferred to other hospitals, and there was one successful elopement of a male patient from the third floor of the main building, and from information recently received we learn that he was fairly well-behaved at his home until the last month, when he murderously assaulted his parents, and is now under surveillance in the county gaol.

Of the fifty-five deaths I regret to report that two were by suicide, in which cases the coroner made careful examination and exonerated our staff from any contributory negligence.

CHANGES IN STAFF.

As usual, many changes have occurred among our staff of nurses, attendants and other employees, but the vacancies have been quickly and acceptably filled. Our professional staff has fortunately remained unchanged, and during the summer the junior physician, Dr. Geo. M. Biggs, had the advantage of a ten weeks' trip to Europe.

HICKORY FARM.

The opening up of Hickory Farm and placing a farm colony of twenty patients thereon necessitated the employment of a supervisor and one attendant, a cook and housemaid, and we have placed there also one of our assistant farmers. Very much work has been done in cleaning up and repairing the property, some 1,500 feet of 6-inch, 8-inch, 12-inch and 18-inch glazed tile being laid to convey away the spring and freshet water from about the buildings; and the filling in of an open ditch and ravine.

A start has been made in the construction of a pond 370 x 120 feet in size, into which spring water will be run, and it is hoped that by the winter of 1910-11 we may be able to obtain a sufficient supply of pure spring-water ice to meet all the wants of our several buildings, but to do this it will be necessary to erect an auxiliary ice-house, as our present one will not hold within 200 tons of our requirements.

NEW WORK.

Our masons, carpenters and cement workers have been exceedingly busy this season, and besides putting up a three-storey stone and brick addition to the laundry, have made considerable repairs and improvements to the farm buildings at Hickory Farm, erected a workshop 20 x 84 feet in the quarry for the stone cutters and breakers, also the stonework for the piggery, which will be 48 x 250 feet in size and will have a 14-foot yard outside, and, lastly, a septic tank.

The double brick farmhouse has been thoroughly overhauled and painted within, and cement floors laid in the cellars, which were previously damp and partially filled with water in the spring and fall, and complete bath-rooms have been equipped in both sections of the house. The westerly half of the building is now occupied by the assistant farmer.

Re Dairy.

We, on Nov. 1st, 1908, commenced the daily weighing and recording of the milk from each cow, and soon found that over one-third of the herd were not paying for their feed. These have been gradually replaced with Holstein thoroughbreds and grades, and the consequence has been that from a herd of ten less cattle during the summer and fall we have had equally, if not more, milk than during the previous year, and the supply has been ample for all purposes. We are now raising a dozen heifer calves from our best cows, and in a few years should have a herd equal to any in the county, especially as our method of feeding has been more closely studied during the year and advantageous changes made therein.

Dairy and Horse Stables.

We hope to discard the wooden divisions and almost worn-out feeding troughs in the dairy barn, and replace them with cement and iron, and add the much-needed milk room and new silo.

The barn-yard is in a disgraceful condition, with its undrained, irregular, stone-paved surface, and we sincerely hope that time and funds will afford to properly grade it and lay a cement surface, with drain leading to a well at a convenient point for removing and utilizing the liquid refuse.

Amusement Hall and Stores Department.

The need is just as great, if not more so, for the furnishing of less damp and enlarged quarters for our stores, as also an Amusement Hall adequate to accommodate at least 600 people in place of 350 as at present, as previously referred to.

Medical Staff.

Almost more urgent than anything else is the increasing of our medical staff. In 1889, when we had 883 patients, our number was the same as at present, while those under our care have increased over one-third in number. Also the more careful extensive recording of clinical records and use of more modern methods of treatments, and the preparation and delivery of lectures in the Training School for Nurses, requires more constant and exacting attention from the physicians.

Continuous Baths.

I would strongly urge that twin sets of continuous baths be placed in both the men's and women's sides of the main building, in order that the many more chronic cases, for whom accommodation in the reception building is inadequate, may receive the benefit of this treatment.

Requirements.

Boiler House.—Much economy in the consumption of fuel, as well as efficiency in heating, would occur if a central boiler room were established for the several

buildings and steam conveyed through pipes enclosed in asbestos-packed tile conduits; all of the work in connection with this change would readily be done by our own staff.

Gardener's Residence.—Every season a considerable amount of our early fruits and vegetables is stolen from the garden, owing to our inability to keep up a constant surveillance partially at least owing to its distance from our residences; much of this loss would, we believe, be saved if there was a man living upon the premises, and I would strongly urge that an appropriation be made for the material to erect a suitable stone and brick house thereon.

Piggery.—For the completion of the piggery a considerable sum will be required, as besides the roofing a surface of about 1,340 square yards within the walls and 1,050 square yards for yards, etc., will require to be paved with cement concrete, and feed and litter carriers and cooking kettles provided. However, when completed, we feel that it will justify the expenditure.

Telephone.—More and more we are feeling the need of another long-distance telephone line to the city, and the placing of additional instruments in the Bursar's residence and several buildings, and we trust that an appropriation may be made for this purpose.

I am pleased to report that the general health of the patients has been excellent, and that no cases of contagious diseases, with the exception of tuberculosis, have occurred.

Our relations with the staff have been most cordial, and they have in their several vocations taken an active interest in the work assigned to them.

I desire to thank you both, as also Mr. S. A. Armstrong, the present Assistant Provincial Secretary, for the ready advice and active assistance given at all times and on all occasions.

I am,

Your obedient servant,

W. M. ENGLISH,
Medical Superintendent.

To C. R. W. POSTLETHWAITE, ESQ., and E. R. ROGERS, ESQ.,
Inspectors, Hospitals for the Insane,
Parliament Buildings, Toronto, Ont.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, HAMILTON, FOR THE YEAR ENDING OCTOBER 31ST, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

——	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	567	612	1,179			
In residence December 31st, 1908	.....	.....	.....	541	605	1,146
Admitted during year 1909:—						
By Warrant	37	15	52			
By Medical Certificate	44	56	100	81	71	152
Total number under treatment during year 1909	.....	.....	.....	622	676	1,298
Discharges during year:—						
As recovered	23	22	45			
" improved	6	8	14			
" unimproved	1	2	3			
" not insane	.....	.....	.....			
Total number discharged during year.	30	32	62			
Died	24	31	55			
Deported	3	.....	3			
Eloped	1	.....	1			
Transferred	.....	3	3	58	66	124
Remaining in Hospital October 31st, 1909	.....	.....	.....	564	610	1,174
Total number admitted since opening of Hospital	.....	.....	.....	2,633	2,685	5,318
Total number discharged since opening of Hospital	981	1,131	2,112			
Total number died since opening of Hospital	807	708	1 515			
Total number deported since opening of Hospital	9	1	10			
Total number eloped since opening of Hospital	86	7	93			
Total number transferred since opening of Hospital	186	228	414	2,069	2,075	4,144
Total remaining in Hospital October 31st, 1909	.....	.....	.....	564	610	1,174
Daily average population	565.355	598.753	1,164.108			
Collective days' stay of all patients in residence during year	171,868	182,021	353,889			
Number of applications on fyle	10	9	19			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	45	28	73	1,406	1,123	2,529
Married	36	43	79	1,227	1,562	2,789
Widowed (since 1907)						
Divorced						
Separated						
Unascertained						
Total	81	71	152	2,633	2,685	5,318
RELIGION.						
Baptists	5	3	8	147	173	320
Congregationalists				16	14	30
Episcopalians	8	15	23	488	475	963
Methodists	17	13	30	622	671	1,293
Presbyterians	28	12	40	496	501	997
Roman Catholics	3	9	12	461	498	959
Other Denominations	17	15	32	273	273	546
Unascertained	3	4	7	130	80	210
Total	81	71	152	2,633	2,685	5,318

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions						
Total born in Canada	56	54	110	1,589	1,662	3,251
Armenia						
Assyria						
Austria	1		1	2		2
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	12	2	14	384	275	659
France	1		1	1		1
Finland						
Galicia						
Germany	1	6	7	5	9	14
Greece						
Holland						
Hungary						
Ireland	2	2	4	267	381	648
Italy				3		3
Japan						
Macedonia						
Other British Possessions				95	88	183
Norway						
Roumania						
Russia		1	1	2	1	3
Scotland	6	3	9	170	160	330
South America		1	1		1	1
Spain						
Sweden	1		1	1		1
Turkey						
United States	1	2	3	65	66	131
West Indies						
Unascertained				49	42	91
Total	81	71	152	2,633	2,685	5,318

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	3	.....	3	44	1	45
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	4	.....	4	102	25	127
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	25	.....	25	812	3	815
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	10	.....	10	177	2	179
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	8	3	11	297	87	384
Domestic Service:— Waiters, Cooks, Servants, etc.	1	5	6	7	563	570
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	2	45	47	79	1,614	1,693
Miners, Marine Engineers, Railway Employees, Seamen, etc.	4	.....	4	23	.....	23
Laborers	18	2	20	738	3	741
No Occupation	6	15	21	77	165	242
Unascertained and other Employments	.....	1	1	277	222	499
Total	81	71	152	2,633	2,685	5,318

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District	....	....	....	10	6	16	....	....	....	9	1	10	2	1	3
Brant	2	6	8	151	171	322	2	1	3	61	38	99	39	52	91
Bruce	....	....	....	7	18	25	....	....	....	6	8	14	1	1	2
Carleton	....	....	....	10	10	20	....	....	....	9	6	15	...	2	2
Dufferin	1	4	5	42	56	98	....	3	3	21	14	35	11	20	31
Dundas	....	....	....	2	3	5	....	....	....	2	1	3	1	...	1
Durham	....	....	....	10	15	25	....	....	....	9	7	16	...	...	....
Elgin	1	....	1	7	7	14	....	....	....	3	2	5	2	...	2
Essex	....	....	....	4	1	5	....	....	....	2	1	3	1	...	1
Frontenac	....	....	....	28	8	36	....	....	....	27	3	30	2	...	2
Glengarry	....	....	....	5	4	9	....	....	....	4	1	5	3	...	3
Grenville	....	....	....	3	2	5	....	....	....	3	1	4	...	...	....
Grey	11	10	21	180	139	319	8	3	11	113	56	169	62	51	113
Haldimand	5	4	9	112	110	222	2	....	2	48	19	67	19	30	49
Halton	6	2	8	93	97	190	3	....	3	40	25	65	23	21	44
Hastings	....	....	....	6	8	14	....	....	....	6	6	12	...	...	....
Huron	....	....	....	5	12	17	....	....	....	2	3	5	2	...	2
Kent	....	....	....	7	6	13	....	....	....	6	....	6	2	2	4
Lambton	1	....	1	10	4	14	1	....	1	8	1	9	3	...	3
Lanark	....	....	....	1	3	4	....	....	....	1	1	2	...	...	....
Leeds	....	....	....	4	4	8	....	....	....	4	4	8	1	...	1
Lennox and Addington	....	....	....	10	1	11	....	....	....	9	....	9	...	...	....
Lincoln	1	2	3	141	150	291	....	....	....	85	45	130	31	31	62
Middlesex	....	....	....	19	13	32	....	....	....	10	7	17	5	4	9
Muskoka District	....	....	....	17	2	19	....	....	....	10	2	12	4	...	4
Nipissing District	1	....	1	4	3	7	....	....	....	49	37	86	...	2	2
Norfolk	3	1	4	105	113	218	1	....	1	6	4	10	27	31	58
Northumberland	....	....	....	26	16	42	....	....	....	14	7	21	1	...	1
Ontario	....	....	....	27	34	61	....	....	....	21	21	42	4	3	7
Oxford	....	1	1	16	16	32	....	1	1	13	10	23	4	1	5
Parry Sound District	....	....	....	5	4	9	....	....	....	5	2	7	1	1	2
Peel	....	....	....	18	27	45	....	....	....	6	8	14	4	6	10
Perth	....	....	....	7	11	18	....	....	....	6	7	13	1	2	3
Peterborough	....	....	....	10	17	27	....	....	....	10	11	21	...	1	1
Prescott	....	....	....	3	4	7	....	....	....	3	3	6	...	...	....
Prince Edward	....	....	....	5	2	7	....	....	....	3	2	5	...	...	....
Rainy River District	....	....	....	3	.....	3	....	....	....	3	....	3	1	...	1
Renfrew	....	....	....	4	2	6	....	....	....	4	....	4	...	...	....
Russell	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	...	....
Simcoe	....	....	....	211	162	373	....	....	....	149	82	231	21	14	35
Stormont	....	....	....	6	3	9	....	....	....	5	1	6	5	...	5
Thunder Bay District	1	....	1	7	3	10	1	....	1	7	2	9	3	1	4
Victoria	....	....	....	12	22	34	....	....	....	10	18	28	2	3	5
Waterloo	13	10	23	163	157	320	8	3	11	83	28	111	50	57	107
Welland	....	3	3	133	163	296	....	....	....	58	33	91	30	40	70
Wellington	8	9	17	235	257	492	1	1	2	88	42	130	55	64	119
Wentworth	27	18	45	553	614	1,167	10	2	12	124	77	201	121	142	263
York	....	1	1	193	205	398	....	1	1	159	149	308	20	26	46
Unascertained	....	....	....	3	.....	3	....	....	....	.....	.....	.....	...	1	1
Total	81	71	152	2,633	2,685	5,318	37	15	52	1,324	796	2,126	564	610	1174

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	7	8	15	5	5	10	.....
Mental Strain, Worry and Overwork (not included in above)	15	17	32	7	9	16	.....
Religious Excitement	2	3	5	1	.....	1	.....
Love Affairs, including seduction	2	1	3	1	.....	1	.....
Fright and Nervous Shock	1	1	2	.....	.....	.....	.....
PHYSICAL.							
Alcoholism	5	1	6	1	.....	1	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	3	.....	3	2	.....	2	.....
Masturbation	2	.....	2	1	.....	1	.....
Insolation	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	4	2	6	2	2	4	.....
Pregnancy	.....	1	1	.....	1	1	.....
Parturition and Puerperium	.....	.....	.....	.....	.....	.....	.....
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	5	5	.....	.....	.....	.....
Fevers	3	2	5	1	1	2	.....
Privation and Overwork	7	2	9	4	.....	4	.....
Epilepsy	9	3	12	2	1	3	.....
Other Convulsive Diseases	.....	2	2	.....	.....	.....	.....
Diseases of Brain and Skull	1	.....	1	.....	.....	.....	.....
Senility	6	.....	6	.....	.....	.....	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	.....	.....	.....	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	1	.....	1	.....	.....	.....	.....
Other Bodily Diseases	1	7	8	1	2	3	.....
HEREDITARY.							
Congenital Defect	4	3	7	2	2	4	.....
Unascertained	8	13	21	51	48	99	.....
Not Insane	.....	.....	.....	.....	.....	.....	.....
Total	81	71	152	81	71	152	.....

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	17	5	22
Maternal Branch	10	9	19
Paternal and Maternal Branches	.....	.....	.....
Collateral Branches	6	12	18
No Hereditary Tendency	21	19	40
Unascertained	27	26	53
Total	81	71	152

TABLE No. 8.

Showing summary of discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	30	32	62
Discharged, Recovered	23	22	45
" Improved	6	8	14
" Unimproved	1	2	3
Died	24	31	55
Returned to Hospital	2	8	10
Absent on Probation on October 31st, 1909	4	20	24

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				2	1	3
Influenza		1	1	2	2	4
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas				11	6	17
Septicæmia				8	3	11
Dysentery	1	1	2	13	14	27
Syphilis						
Tuberculosis	2	7	9	131	144	275
Constitutional Diseases:—						
Rheumatism					1	1
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Enteritis				4	11	15
Diseases of the Intestines:—						
Diseases of the Liver				3	8	11
Diseases of the Pancreas						
Diseases of the Peritoneum				9	8	17
Intestinal Obstruction	1	1	2	3	2	5
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
" " Bronchi				2		2
" " Lungs				44	30	74
" " Pleura		1	1	1	2	3
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
" " Heart	5	3	8	54	32	86
Arterio-sclerosis				2		2
Aneurism				2		2
Diseases of the Blood and Ductless Glands:—						
Anæmia				1	4	5
Pernicious Anæmia	1	2	3	7	7	14
Leukæmia						
Exophthalmic Goitre						
Purpura Hæmorrhagica				3	3	6
Diseases of the Genito-Urinary System				18	9	27
Carried Forward	10	16	26	320	287	607

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	10	16	26	320	287	607
Diseases of the Nervous System:—						
Diseases of the Nerves						
" " Spinal Cord						
" " Meninges				1	6	7
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)		2	2	40	49	89
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)				1	1	2
Epilepsy	1	3	4	79	43	122
Mental Diseases:—						
Exhaustion of Acute Mental Disease		2	2	42	100	142
Exhaustion of Chronic Mental Disease		1	1	60	65	125
General Paresis	5		5	125	13	138
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age	6	3	9	104	103	207
Accident				5	1	6
Suicide	1	1	2	12	12	24
Surgical Diseases	1	1	2	7	4	11
Gynæcological Diseases					1	1
Malignant New Growths, or Cancer		2	2	11	23	34
Total	24	31	55	807	708	1,515

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	....	.....	....	....	....	....	....	....
(b) Infection Delirium	....	....	.....	....	....	....	....	....	....
(c) Post Infection Psychoses	1	....	1	....	....	....	....	....	....
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	1	1	....	....	....	....	1	1
(b) Acute Confusional Psychoses	1	8	9	1	4	5	....	1	1
(c) Neurasthenia	....	1	1	....	....	....	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	2	....	2	1	....	1	....	....	....
(b) Chronic "	....	....	.....	....	....	....	....	....	....
(a) Alcoholism (acute and chronic)	1	1	2	4	....	4	....	....	....
(b) Delirium Tremens	....	....	.....	....	....	....	....	....	....
(c) Korsakow's Psychoses	....	....	.....	....	....	....	....	....	....
(d) Acute Alcoholic Hallucinosis	....	....	.....	1	....	1	....	....	....
(e) Alcoholic Hallucinatory Dementia	....	....	.....	....	....	....	1	....	1
(f) " Paranoia	....	....	.....	....	....	....	....	....	....
(g) " Paresis	....	....	.....	....	....	....	....	....	....
(h) Morphinism	....	....	.....	....	1	1	....	....	....
(i) Cocainism	....	....	.....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	.....	....	....	....	....	....	....
(b) Cretinism	....	....	.....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	16	13	29	3	8	11	1	4	5
(b) Catatonic	6	4	10	1	1	2	1	3	4
(c) Paranoid	16	14	30	2	2	4	3	5	8
General Paresis	2	....	2	....	....	....	5	....	5
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	.....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	1	1	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	.....	....	....	....	....	....	....
(d) Cerebral Syphilis	1	....	1	....	....	....	....	....	....
(e) Tabetic Psychoses	....	....	.....	....	....	....	....	....	....
(f) Arterio-sclerotic Psychoses	....	1	1	....	....	....	1	....	1
(g) Cerebral Tumor, Abscess, Hæmorrhage	....	....	.....	1	1	2	....	....	....
Involution Psychoses:—									
(a) Melancholia	1	7	8	1	5	6	....	2	2
(b) Pre-senile Delusional Psychoses	1	1	2	1	....	1	6	4	10
(c) Senile Dementia	5	....	5	2	....	2	....	....	....
Manic Depressive Psychoses:—									
(a) Manic States	12	9	21	5	5	10	1	3	4
(b) Depressed States	3	2	5	2	1	3	2	1	3
(c) Mixed States	....	....	.....	1	1	2	....	....	....
Carried Forward	68	63	131	26	29	55	21	24	45

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	68	63	131	26	29	55	21	24	45
Paranoia	....	....	....	....	....	....	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	9	2	11	1	....	1	3	2	5
(b) Hysterical Psychoses	....	....	....	....	....	....	....	....	....
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	3	3	6	1	....	1	1	1	2
(b) Idiocy	....	....	....	....	....	....	....	....	....
Not Diagnosed	1	3	4	2	3	5	....	3	3
Not Insane	....	....	....	....	....	....	....	....	....
Total	81	71	152	30	32	62	25	30	55

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	26	13	1	....	....	2
From 1 to 2 months	21	17	3	....	....	1
" 2 " 3 "	9	12	1	....	....	3
" 3 " 4 "	2	19	1	....	....	4
" 4 " 5 "	3	15	2	....	....	2
" 5 " 6 "	5	23	3	....	....	4
" 6 " 9 "	4	28	10	3	1	3
" 9 " 12 "	14	24	3	1	....	4
" 12 " 18 "	4	58	10	2	....	6
" 18 months to 2 years	9	24	2	1	....	2
" 2 to 3 years	7	84	5	1	....	2
" 3 " 4 "	7	60	1	....	....	3
" 4 " 5 "	7	63	1	....	1	1
" 5 " 10 "	13	201	2	3	....	1
" 10 " 15 "	2	151	....	1	1	....
" 15 " 20 "	2	172	....	....	....	8
" 20 years and upwards	5	210	....	2	....	9
Unascertained	12	....	....	....	....	....
Totals	152	1,174	45	14	3	55

HOSPITAL FOR INSANE, MIMICO.

Annual Report of Medical Superintendent for Year Ending Oct. 31st, 1909.

To C. Postlethwaite, Esq., and Edwin R. Rogers, Esq.,

Inspectors of Hospitals for the Insane, Toronto, Ontario.

Sirs:—In accordance with the requirements of the Statute, I have the honor to submit herewith the fifteenth annual report of this Hospital for the year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
There were in residence on 31st December, 1908				304	311	615
Admitted during the year by Warrant	35	18	53			
Admitted during the year by Certificate	21	35	56			
Total admitted during the year				56	53	109
Total number under treatment during year				360	364	724
Discharged during the year recovered	25	21	46			
Discharged during the year improved	6	13	19			
Discharged during the year unimproved	1		1			
Discharged during the year deported	3	1	4			
Total discharged during the year	35	35	70			
Number died during the year	18	20	38			
Number eloped during the year	5		5			
Number transferred during the year	5	13	18			
Total number leaving institution during year				63	68	131
Number remaining in Hospital on October 31st, 1909				297	296	593

Admissions.

During the past ten months, which constituted the official year just ended, there were one hundred and nine patients admitted, fifty-six men and fifty-three women. Of this number fifty-five were single and fifty-four had been married, though six had subsequently become widowed. Of the fifty-five single persons admitted, thirty-three were men and twenty-two were women, while of the fifty-four married persons admitted twenty-three were men and thirty-one were women. Among the men a hereditary tendency could be traced in fourteen cases, and among the women it was found to exist in twenty-six cases. Of the total number admitted forty were reported to have been ill for a period of less than two months prior to admission, while thirty-seven had already become chronics, having been ill for more than a year before they were brought to the Hospital for treatment.

Discharges.

Seventy patients were discharged during the past ten months, the sexes being evenly divided, there being thirty-five of each. This is the largest number ever discharged in any official year from this hospital and if any unusual or special

methods of treatment had been employed a statistical enthusiast would be able to prove conclusively, to his own satisfaction at least, that the large number of patients discharged had been the direct outcome of such new methods. Of the total number discharged four were under twenty years of age and forty-two had not passed their fortieth year, showing that recoveries were of less frequent occurrence after that age.

Deaths.

During the year thirty-eight deaths occurred at this hospital, eighteen of the patients being men and twenty being women. Nine of these deaths were due to pulmonary affections, ten were due to exhaustion and six to the debility of old age. Of the total number who died, twelve were between fifty and sixty years of age, eight were between sixty and seventy years, one was eighty years and one had reached the age of eighty-three years.

Night Service.

One of the most important improvements which has of late years been made in the service at this place was that which provided for a night attendant for every one of the ten cottages. Until January last there were only two night attendants on duty in the five cottages for women and the same number on duty in the five cottages for men, and it was impossible for the three hundred patients on each side to receive all the attention they needed with this very limited amount of service. With only two night attendants for five cottages on each side, three cottages had necessarily to remain at all times without continuous night supervision. Since January, however, when you gave me authority to place a night attendant in every cottage the dangers from insufficient observation and from fire have been very materially lessened, and the comfort of all the patients has been greatly increased.

Installation of Two New Boilers.

In the reorganization of the heating plant at this place it became necessary to install two new boilers in the boiler house, and in order to do this three old and worn out boilers had to be removed and extensive alterations made in the boiler house itself. These two new high pressure boilers have a capacity of ninety horse-power each and they have been so placed that the space originally provided in the addition to the boiler house has now become available for use by the firemen. During the coming year, if possible, the other three large boilers now somewhat inconveniently situated will be moved up in line with these new boilers and the latter will then be much more presentable and will be sufficient for heating purposes.

Engineer's Department.

In addition to the enormous volume of work incident to the installation of the new boilers and the alterations in the boiler house the engineer, Mr. John Gourlay, with his efficient staff, has successfully accomplished a great deal of work in various parts of the institution. Besides putting in continuous baths in cottage "2" the Engineer has reorganized and fitted up a large number of lavatories, sinks, basins and traps in the cottages, and put in place over a dozen new bath tubs of the ordinary type; nearly one thousand feet of steam pipes have been protected with asbestos coverings, and new electric wiring has been introduced in two of the cottages and in several of the artisans' shops. The work of placing the new steel beams in the boiler house, and the steel eye beams in the new barn, also came under the engineer's supervision.

Carpenter's Department.

The gate house, which was originally built as a lodge for the gate-keeper, has been occupied by the gardener during the past fifteen years and has been found inadequate for the accommodation of his family. The pressing needs of other parts of the institution have long delayed the alterations and additions which were necessary in this house, but during the past summer these additions were erected by institution labor. The addition is constructed of brick, and provides a new kitchen, pantry, bed-room, clothes closets and bath-room. The cellar was also enlarged and remodelled and a new hot air furnace placed in it for heating the house throughout. The construction work was under the direction of the carpenter, Mr. Robert Maxwell, and with the aid of the engineer and the mason and their staff of assistants, the whole work was most satisfactorily completed.

In addition to the foregoing the carpenter has constructed six new dormitories in the attics of two of the front cottages for the use of the night attendants, and he has erected two spiral staircases in these cottages to enable them to reach these new rooms. New cupboards have been made for the bread room and important alterations have been made to the boiler house; large sections of metallic ceiling have been renewed in various cottages, and the old road acquired from the Township has been closed in by a fence and gates of the same character as that along the front of the ornamental grounds.

Farm and Garden.

The work on the two farms has been most industriously pushed forward during the past season, notwithstanding the unusual amount of special work undertaken by the farmer in the construction of the new barn. The crops on both farms as well as those in both gardens have been quite up to the average in both quantity and quality, and these places as well as the ornamental grounds have yielded the most valuable return in affording opportunity for congenial and healthful occupation to a large number of the patients.

New Barn at the North Farm.

For many years the farm buildings at the North Farm have been insufficient for the requirements at that place and during the past year the old barn, as well as the old stables for horses and cows, have been taken down and replaced by a handsome and capacious new structure. The work of building this new barn was undertaken by the institution under the direction of Mr. W. E. Stock, the farmer, and the result reflects great credit upon his energetic application and experienced judgment. The structure is one hundred feet in length by fifty feet in width and twenty-six feet in height, thus making ample provision for all the hay, grain, roots and live stock which have to be accommodated. The foundation and the walls of the basement, which are ten feet in height, are made of cement, and the superstructure is built of wood and is covered by a roof of cedar shingles.

The cow stables will accommodate thirty-six cattle and are equipped with modern iron stanchions and fittings. The horse stables which are also provided with iron fittings will accommodate nine horses; and in addition to the foregoing accommodation there are four box stalls so situated that they may be conveniently used for either horses or cattle. The floor of the basement is made of cement throughout and is graded in all the stables to facilitate their drainage.

Besides the ample provision for the hay and unthreshed grains there is a large and well arranged granary and two cellars for roots under the drive-ways leading to the first floor. At the rear of the barn and between the drive-ways are two cement silos, fourteen feet each in diameter and thirty feet in height; and between these there is a large cement cistern for holding the rain water. Mr. Stock was able to conduct the building operations so economically that all of the details specified by the Provincial Architect were carried out and the whole work completed well within the appropriation.

Repairs to Subways.

When the subways at this place were originally built, there were two weak points in their construction, and every year these weak places have demanded a good deal of attention. The brown stone in the outside walls was not carefully pointed, and the asphalt covering was not substantial enough at the point of junction between the brown stone and the groating which connected it with the brick arch to resist the inroads of frost and rain. Gradually small crevices would appear at this point and the rain falling into them and followed by frost would enlarge the crevices until finally large sections of the outside walls were separated from the inside supports. This process of destruction has been going on by slow degrees every year for a long time, and this last season an attempt was made to correct the original defect by covering the upper surface of the front subways with a cement roof, and if this should prove durable, the rear subways will be similarly treated.

Railway Siding.

Since the opening of the Institution, the annual outlay for freight and shunting privileges on the spur line at New Toronto has been considerable, and certain kinds of freight, as coal and manure, have been disturbing to the occupants of the factories in close proximity to this spur. This year the Grand Trunk Railway has built a railway siding five hundred and fifty feet in length for the use of the Institution near the road between the north and south farms, and it is conveniently situated for the delivery of all goods at either of these properties. Besides the great convenience of this siding to the Institution and the relief which it affords our neighbors, it will, at the same time, be the means of saving something in the annual freight expenditure.

Wharf.

A year ago the heavy storms on the lake were sufficient to break a section of the outer end of the cement wharf, and during the past summer this has been repaired and improved under the direction of the Public Works Department. In order to make the "L" part at the end of the wharf more secure it was bevelled on the lake side and somewhat extended westward and supported by a return section on the north so that at present there is a safe harbor nearly forty feet in width behind the "L" extension. At the time this wharf was repaired about two years ago, it was the only place of refuge for small vessels between Port Credit and the Humber River.

Religious Services.

The regular Sabbath morning services have been conducted as usual during the past year by the resident clergymen at Mimico, namely Reverend Canon Tremayne, Reverend Mr. Wilson and the Reverend Alexander McMillan, and to them and the Reverend Father Walsh, of Toronto, the patients and employees at this place are under grateful obligation.

Officers and Employees.

Among the officers there have been very few changes during the year. Dr. Herriman, who had rendered the most devoted service as Assistant Medical Superintendent for the period of a year was transferred to the same position at the Toronto Hospital for Insane on January 1st, 1909, and Doctor Harvey Clare was promoted from the London Hospital to the Assistant Superintendency at this place.

Mr. W. E. Stock, formerly of Waterdown, was appointed to the position of Farmer at this place in February, 1909.

Among the employees there have been an unusual number of changes; in all sixty-eight men and women have resigned and eleven have been dismissed, making a total of seventy-nine employees who have been replaced by new servants during the official year. Increased remuneration would seem to be the only means of retaining the more worthy of this class of employees.

I have the honor to be,

Sirs,

Your obedient servant,

N. H. BEEMER, *Medical Superintendent.*

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, MIMICO, FOR THE YEAR ENDING 31ST OCTOBER, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending 31st October, 1909

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	300	300	600			
In Residence 31st December, 1908				304	311	615
Admitted during year 1909:—						
By Warrant	35	18	53			
By Medical Certificate	21	35	56	56	53	109
Total number under treatment during year				360	364	724
Discharges during year:—						
As recovered	28	21	49			
" improved	6	14	16			
" unimproved	1		1			
" not insane						
Total number discharged during year	35	35	66			
Died	18	20	38			
Deported	3	1	4			
Eloped	5		5			
Transferred	5	13	18	63	68	131
Remaining in Hospital 31st October, 1909				297	296	593
Total number admitted since opening of Hospital				1,291	1,234	2,525
Total number discharged since opening of Hospital	376	359	735			
Total number died since opening of Hospital	356	330	686			
Total number deported since opening of Hospital	27	4	31			
Total number eloped since opening of Hospital	29		29			
Total number transferred since opening of Hospital	206	245	451	994	938	1,932
Total remaining in Hospital 31st October, 1909				297	296	593
Daily average population	299.51	297.06	596.57			
Collective days' stay of all patients in residence during year	91,351	90,604	181,955			
Number of applications on fyle	16	6	22			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	33	22	55	813	511	1,324
Married	19	29	48	474	721	1,195
Widowed	4	2	6	4	2	6
Divorced	.....	.....	.....	.....	.....	.....
Separated	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....
Total	56	53	109	1,291	1,234	2,525
RELIGION.						
Baptists	3	3	6	42	58	100
Congregationalists	.....	.....	.....	3	7	10
Episcopalians	10	13	23	251	265	516
Methodists	15	18	33	307	330	637
Presbyterians	7	10	17	247	232	479
Roman Catholics	11	5	16	302	252	554
Other Denominations	5	2	7	88	50	138
Unascertained	5	2	7	51	40	91
Total	56	53	109	1,291	1,234	2,525

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	56	53	109	1,291	1,234	2,525
Total born in Canada	40	38	78	846	819	1,665
Armenia						
Assyria						
Austria				6		6
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	5	9	14	152	125	277
France				1	1	2
Finland				9	2	11
Galicia						
Germany	1		1	15	7	22
Greece	1		1	1		1
Holland						
Hungary						
Ireland	3	5	8	137	174	311
Italy	1		1	7		7
Japan						
Macedonia				1		1
Other British Possessions				1	5	6
Norway				4	1	5
Roumania						
Russia				9	2	11
Scotland	3		3	61	60	121
South America						
Spain					1	1
Sweden	1		1	5	5	10
Switzerland					1	1
United States	1	1	2	21	20	41
West Indies				2		2
Unascertained				13	11	24
Total	56	53	109	1,291	1,234	2,525

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	1	.....	1	53	7	60
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	7	.....	7	109	9	118
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	17	.....	17	361	.....	361
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	8	.....	8	122	2	124
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	4	.....	4	87	42	129
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	7	7	5	186	191
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	1	43	44	19	811	830
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	27	.....	27
Laborers	17	.....	17	407	1	408
No Occupation	1	3	4	43	130	173
Unascertained	.....	.....	.....	58	46	104
Total	56	53	109	1,291	1,234	2,525

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District..	4	1	5	30	36	66	4	1	5	20	15	35	10	13	23
Brant				7	5	12				3	1	4	1	1	2
Bruce				3	3	6				2	1	3			
Carleton				10	11	21				8	6	14			
Dufferin	1		1	5	3	8				1	1	2	2	2	4
Dundas				3	5	8				2	3	5			
Durham				10	17	27				5	8	13	2	4	6
Elgin				6		6				4		4	1		1
Essex				5	2	7					1	1		1	1
Frontenac				10	16	26				3	7	10	2	2	4
Glengarry				2	2	4				1		1			
Grenville				4	6	10				2	3	5			
Grey				19	12	31				12	7	19	5	4	9
Haldimand				1	1	2							1	1	2
Haliburton				1	1	2					1	1	1	1	2
Halton		1	1	6	10	16		1	1	1	2	3		3	3
Hastings	1		1	23	33	56				15	25	40	5	4	9
Huron		1	1	5	6	11				1	1	2	1	1	2
Kent				4		4				4		4	2		2
Lambton				5	4	9				4	3	7	1	1	2
Lanark				9	8	17				7	6	13			
Leeds				1	3	4				1	2	3			
Lennox and Addington				4	5	9				3	5	8			
Lincoln				1	1	2							1		1
Manitoulin	4	1	5	10	6	16	2		2	6	3	9	2	3	5
Middlesex	1		1	15	6	21	1		1	8	1	9	3	1	4
Muskoka District	2	3	5	39	32	71	1	1	2	20	11	31	8	7	15
Nipissing District	5	2	7	67	23	90	3	2	5	49	14	63	15	8	23
Norfolk				3	4	7				2	1	3			
Northumberland..		1	1	26	24	50		1	1	13	9	22	8	1	9
Ontario	4	7	11	89	114	203	2	3	5	44	28	72	19	30	49
Oxford				9	2	11				7	2	9	3		3
Parry Sound District	3		3	34	18	52	2		2	25	9	34	9	7	16
Peel	2	6	8	61	65	126	2		2	27	23	50	14	20	34
Perth				9	2	11				4		4	4		4
Peterborough	1	5	6	83	102	185		1	1	49	28	77	26	38	64
Prescott				4	3	7				4	3	7			
Prince Edward..				2	6	8				2	2	4		1	1
Rainy River District	1	3	4	22	11	33	1	3	4	18	9	27	7	6	13
Renfrew				4	5	9				4	3	7			
Russell				3	1	4				3		3			
Simcoe	6	7	13	176	149	325	4	1	5	66	32	98	40	26	66
Stormont				1	2	3					1	1			
Thunder Bay District	10	2	12	45	16	61	10	2	12	43	14	57	13	5	18
Victoria	4	4	8	91	96	187	2	2	4	60	27	87	25	28	53
Waterloo				5	2	7				3	1	4	1		1
Welland				2	2	4				2	2	4	1		1
Wellington				1	3	4					1	1			
Wentworth					8	8					3	3		2	2
York	7	9	16	307	339	646	1		1	167	151	318	63	75	138
Unascertained				9	3	12				2	3	5	1		1
Total	56	53	109	1,291	1,234	2,525	35	18	53	727	479	1,206	297	296	593

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
Moral.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	5	4	9	6	8	14	.....
Mental Strain, Worry and Overwork (not included in above)	9	9	18	2	4	6	.....
Religious Excitement	2	2	4	.....	.....	.....	.....
Love Affairs, including seduction	.....	4	4	.....	.....	.....	.....
Fright and Nervous Shock	.....	.....	.....	.....	.....	.....	.....
Physical.							
Alcoholism	6	.....	6	.....	.....	.....	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	2	.....	2	.....	.....	.....	.....
Masturbation	1	.....	1	1	.....	1	.....
Insolation	3	1	4	.....	.....	.....	.....
Accident or Injury	2	.....	2	.....	.....	.....	.....
Pregnancy	.....	2	2	.....	2	2	.....
Parturition and Puerperium	.....	3	3	.....	2	2	.....
Lactation	.....	3	3	.....	1	1	.....
Climacteric Period	.....	4	4	.....	.....	.....	.....
Fevers	1	.....	1	.....	.....	.....	.....
Privation and Overwork	3	.....	3	.....	.....	.....	.....
Epilepsy	2	3	5	.....	.....	.....	.....
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	1	.....	1	.....	.....	.....	.....
Senility	4	8	12	.....	4	4	.....
Exophthalmic Goitre	2	3	5	.....	1	1	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	1	.....	1	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	4	2	6	.....	.....	.....	.....
Other Bodily Diseases	.....	1	1	.....	.....	.....	.....
Hereditary.							
Congenital Defect	6	4	10	5	4	9	.....
Unascertained	2	.....	2	24	13	37	.....
Not Insane	.....	.....	.....	.....	.....	.....	.....
Total	56	53	109	38	39	77	.....

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	4	5	9
Maternal Branch	3	6	9
Paternal and Maternal Branches	.....	1	1
Collateral Branches	7	14	21
No Hereditary Tendency	18	14	32
Unascertained	24	13	37
Total	56	53	109

TABLE No. 8.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	35	35	70
Discharged, Recovered	28	21	49
" Improved	6	13	19
" Unimproved	1	.....	1
Died	18	20	38
Returned to Hospital	2	8	10
Absent on Probation on October 31st, 1909	5	4	9

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever		1	1	3	4	7
Influenza					2	2
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas				2	2	4
Septicæmia				4	3	7
Dysentery	2	2	4	7	13	20
Syphilis						
Tuberculosis	1	3	4	45	68	113
Constitutional Diseases:—						
Rheumatism				1		1
Arthritis Deformans						
Diabetes Mellitus				3	4	7
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Diseases of the Intestines:—						
Diseases of the Liver				2	1	3
Diseases of the Pancreas				1	1	2
Diseases of the Peritoneum				6	5	11
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx				1		1
" " Bronchi				1	2	3
" " Lungs	2	3	5	17	15	32
" " Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium				1		1
" " Heart	1	1	2	26	31	57
Arterio-sclerosis				1	3	4
Aneurism					1	1
Diseases of the Blood and Ductless Glands:—						
Anæmia				6	6	12
Pernicious Anæmia				2		2
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System						
Carried Forward	6	10	16	129	161	290

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	6	10	16	129	161	290
Diseases of the Nervous System:—						
Diseases of the Nerves.....	.....	.....	.....	.....	.....	.....
" " Spinal Cord	.....	.....	.....	3	1	4
" " Meninges	.....	.....	.....	.....	.....	.....
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions).....	.....	.....	.....	28	22	50
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	.....	.....	.....	3	2	5
Epilepsy	2	.....	2	53	11	64
Mental Diseases:—						
Exhaustion of Acute Mental Disease	2	2	4	34	25	59
Exhaustion of Chronic Mental Disease	2	4	6	32	26	58
General Paresis	3	.....	3	24	10	34
Intoxications:—						
Alcoholism	.....	.....	.....	.....	.....	.....
Morphinism	.....	.....	.....	.....	.....	.....
Metallic Poisoning	.....	.....	.....	.....	.....	.....
Heat Stroke	.....	.....	.....	.....	.....	.....
Debility of Old Age.....	3	3	6	42	58	100
Accident	.....	.....	.....	2	2	4
Suicide	.....	.....	.....	1	1	2
Surgical Diseases	.....	1	1	1	3	4
Gynæcological Diseases	.....	.....	.....	.....	.....	.....
Malignant New Growths, or Cancer....	.....	.....	.....	4	8	12
Total	18	20	38	356	330	686

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	....	....	....	....	....	....	....	....
(b) Infection Delirium	....	....	....	1	2	3	....	....	....
(c) Post Infection Psychoses	1	....	1	....	....	....	....	....	....
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	....	....	1	1	2	....	2	2
(b) Acute Confusional Psychoses	....	3	3	....	....	....	....	....	....
(c) Neurasthenia	....	....	....	....	....	....	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	....	....	....	....	....	....	....	....	....
(b) Chronic "	....	....	....	....	....	....	....	....	....
(a) Alcoholism (acute and chronic)	1	....	1	6	....	6	....	....	....
(b) Delirium Tremens	....	....	....	....	....	....	....	....	....
(c) Korsakow's Psychoses	1	....	1	....	....	....	....	....	....
(d) Acute Alcoholic Hallucinosis	....	....	....	....	....	....	....	....	....
(e) Alcoholic Hallucinatory Dementia	....	....	....	....	....	....	....	....	....
(f) " Paranoia	....	....	....	....	....	....	....	....	....
(g) " Paresis	....	....	....	....	....	....	....	....	....
(h) Morphinism	....	....	....	....	....	....	....	....	....
(i) Cocainism	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	....	....	....	....	....	....	....
(b) Cretinism	....	....	....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	11	12	23	9	2	11	3	4	7
(b) Catatonic	7	6	13	1	3	4	1	3	4
(c) Paranoid	5	2	7	....	....	....	....	....	....
General Paresis	2	....	2	....	....	....	5	....	5
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	....	....	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	....	....	....	....	....	....	....
(d) Cerebral Syphilis	....	....	....	....	....	....	....	....	....
(e) Tabetic Psychoses	1	4	5	....	....	....	....	....	....
(f) Arterio-sclerotic Psychoses	....	....	....	....	....	....	....	1	1
(g) Cerebral Tumor, Abscess, Hæmorrhage	....	....	....	....	....	....	....	....	....
Involution Psychoses:—									
(a) Melancholia	2	5	7	1	7	8	3	5	8
(b) Pre-senile Delusional Psychoses	....	2	2	....	5	5	....	1	1
(c) Senile Dementia	2	3	5	1	2	3	2	3	5
Manic Depressive Psychoses:—									
(a) Manic States	5	2	7	7	4	11	1	....	1
(b) Depressed States	3	2	5	7	8	15	1	1	2
(c) Mixed States	6	1	7	1	1	2	....	....	....
Carried Forward	47	42	89	35	35	70	16	20	36

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	47	42	89	35	35	70	16	20	36
Paranoia	1	1	2	....	....	....	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	....	3	3	....	....	....	2	....	2
(b) Hysterical Psychoses	....	1	1	....	....	....	....	....	....
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	7	3	10	....	....	....	....	....	....
(b) Idiocy	....	....	....	....	....	....	....	....	....
Not Diagnosed	1	3	4	....	....	....	....	....	....
Not Insane	....	....	....	....	....	....	....	....	....
Total	56	53	109	35	35	70	18	20	38

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	20	11	....	....	....	2
From 1 to 2 months	20	12	....	....	1	....
" 2 " 3 "	9	9	2	1	....	5
" 3 " 4 "	6	9	2	....	....	2
" 4 " 5 "	6	8	4	....	....	....
" 5 " 6 "	9	9	3	1	....	2
" 6 " 9 "	1	16	10	3	....	2
" 9 " 12 "	1	17	12	2	....	5
" 12 " 18 "	3	47	10	2	....	2
" 18 months to 2 years	3	11	2	1	....	2
" 2 to 3 years	11	56	3	2	....	2
" 3 " 4 "	6	25	....	1	....	5
" 4 " 5 "	5	46	....	....	....	1
" 5 " 10 "	2	119	1	3	....	5
" 10 " 15 "	1	76	....	....	....	1
" 15 " 20 "	....	119	....	....	....	2
" 20 years and upwards	6	3	....	....	....	....
Totals	109	593	49	16	1	38

HOSPITAL FOR THE INSANE, BROCKVILLE.

BROCKVILLE, ONTARIO, NOV. 1ST, 1909.

THE INSPECTOR OF HOSPITALS FOR THE INSANE,
Parliament Buildings, Toronto, Ont.

DEAR SIR,—I beg to submit for your consideration the report of the Hospital for the Insane, Brockville, for the ten months ending October 31st, 1909.

The number of admissions has been less than for the corresponding ten months of the previous year. This is largely due to the fact that because of lack of accommodation we were unable to award admission to a large number of cases for whom application was made. The character of the cases was, as a whole, more hopeless than ever before. I am inclined to think that if correct statistics could be procured it would be found that the proportion of persons suffering from some form of mental disease is greater in the eastern part of the Province than elsewhere, and amongst this number would be found an unusually large proportion of idiots and imbeciles. We were obliged to admit a large number of this latter class of patients, for two reasons. The Hospital for Feeble-Minded Persons at Orillia was crowded and could not admit all the cases that should have been sent there, and because of the long distance from here to Orillia, friends of patients are naturally averse to sending their relatives so far away, owing to the expense involved in taking them there and in visiting them subsequently. In spite of the fact that we exercised great care, we sometimes awarded admission to patients who might be cared for at their own homes or in general hospitals. The information contained in medical certificates and history forms frequently conveys an inaccurate impression of the patient's actual condition. In one case the papers cited as an evidence of insanity the fact that the patient refused to get out of bed. On examination after admission it was found that this patient was unable to move as a result of physical disease, and notwithstanding the fact that there was a great deal of mental deterioration, still he might be cared for very easily in a general hospital. An effort was made to have him removed, but his death spared the necessity of taking further steps in this direction.

From time to time we are asked to admit persons suffering from acute alcoholism, and I regret to say that our treatment of such cases has not been satisfactory. These patients regain their normal condition in a week or two after their admission to the Institution, and then become dissatisfied with their surroundings. They feel that their condition is different from those with whom they come in contact, and as their mentality is not reduced to any extent one can understand how anxious they are to return to their old surroundings. For that reason they not only cause a certain amount of disturbance in the ward in which they are placed, but they take advantage of the first opportunity to elope, and as we have a large number of privileged patients we find it difficult to exercise supervision over patients suffering from this form of insanity. The time has arrived when a special institution should be provided for the care of those unfortunate people who appear to be unable to control their actions when at liberty.

DEATHS.

The number of deaths was proportionately smaller than usual. The mental condition of a large number of patients is such that they do not suffer from the stress that has so important a bearing on the mortality of patients who are engaged

in the battle of life. Regular hours, comfortable quarters, and a plain, substantial diet all contribute to the longevity of patients in Hospitals for the Insane.

I am glad to say that we had, comparatively speaking, very little sickness. There were a large number of cases of typhoid in the town of Brockville, and although we obtain our water supply from the same source, we were fortunate in escaping this dangerous disease. I am also glad to be able to report that there were no cases of suicide during the year.

Discharges.

Our number of discharges is somewhat larger than usual, but this number must vary somewhat from year to year, and is not a true indication of the character of the medical work performed.

Conferences.

The medical conferences were held as usual, but we are not able to carry on the work as satisfactorily as I would wish. We need another medical assistant, or at least a qualified clinical assistant who is not a graduate. It takes a great deal of time to make pathological examinations of the blood, etc., and the physicians who are engaged in the ordinary work of caring for the patients cannot carry on this work successfully.

During the year we had further opportunity of testing the value of our continuous baths, and I am very glad to say that the results have been very satisfactory. We hope to install additional baths in other halls during the coming year. We also added to our hydrotherapeutic equipment by the purchase of two control tables, with the usual douches, etc., which we hope to install during the coming winter. When this work is done our whole hydrotherapeutic equipment will be in a very satisfactory condition.

We replaced the old closets in the main building by new ones of modern design, and put in new floors in all the lavatories. They were very much needed, and we were indeed glad to obtain the necessary funds to perform this work.

Our new solar room was also completed, and we find this building very helpful in the treatment of patients suffering from various forms of mental disease. We would like to obtain an appropriation to erect a similar building on the men's side next year.

The work of improving the grounds was carried on as usual during the year. A considerable amount of new ground was graded and seeded. Roads were built where required. A large bowling green was completed, and our new baseball and football grounds were finished. A number of additional flower beds were set out, and the grounds looked better this year than ever before.

Training School.

The last session of our training school for nurses was carried on very satisfactorily. In addition to the members of our own staff, we had the valuable assistance of Drs. Jackson, Bowie, McBroom and Williams, of Brockville. At the end of the session seven nurses graduated and six passed the primary examinations. We still insist on all nurses and attendants, both male and female, attending lectures, particularly those that deal with the care and management of the insane. Since the school was organized there has been a marked improvement in the charac-

ter of the work carried out in the Hospital—an improvement that could not be effected in any other way. I regret very much that we are able to retain on our staff only a small proportion of our graduates. As soon as our nurses graduate they are tempted by better pay to seek positions elsewhere, and they are assisted materially in their efforts by being able to present a diploma. While we regret losing a large number in this way, still we must not blame them for improving their condition in this world.

During the year we increased the number of female nurses in the men's wards. At the present time female nurses are employed in all the men's wards except those in which our disturbed patients are treated. In fact, one of our cottages, in which there are a considerable number of bedridden patients, is in charge at the present time of a female supervisor. In addition to the two male attendants, she has with her one female nurse, and as a result of this arrangement there has been a marked improvement in the attendance received by the patients under their care. Patients, as well as their linen and other clothing, are kept in a much cleaner condition, and there has been a great improvement in the general housekeeping of this cottage. We propose, when the opportunity arrives, to place female supervisors in charge of two more of our cottages, with the hope of still improving the character of the nursing in this Institution. Great care is exercised in selecting suitable nurses for this work. They receive their training for a number of years on the women's wards, and are selected because we feel they are especially adapted for the kind of work in which they are engaged.

By putting on an additional number of night nurses we were able to rearrange the service for both day and night nurses. Previously the day nurses were obliged to stay in their wards until nine o'clock. This meant about fifteen hours' labor for the average nurse, and was, of course, much more than she should be asked to perform. At the present time the night nurses take charge at seven o'clock in the evening, and hand over their patients at six o'clock in the morning. By this arrangement the night nurses are on duty for eleven hours and the day nurses for thirteen hours. This change has been very much appreciated, and we hope later on to make a similar arrangement on the men's side as soon as our staff of male attendants or nurses is sufficiently increased.

The work in the different industrial departments was unusually large during the year. A new boiler was added to our plant, and the water pipes leading from the cisterns were rearranged so as to admit a larger supply of water to the different halls and cottages. It was necessary to perform this work in order to have a sufficient water pressure in case of fire. New verandahs were added to the houses occupied by the engineer and farmer. The interior of the small cow stable was repaired, and the larger stable extended so as to provide accommodation for more cows which were purchased during the summer. Several feet of cement sidewalk were laid, and a number of the halls and cottages were completely renovated. In addition to these works, I am also glad to be able to report that our assembly hall is almost completed, and we expect to take possession in the course of a few weeks. Our own staff of artisans and patients performed a large portion of the labor in connection with the completion of this building, and in this way a great saving was effected. A portion of the ground floor will be used for a store and the balance for an industrial room, and the second floor for an assembly hall. We will now be able to permit a much larger number of patients to attend the dances, entertainments, etc., which are held here from time to time, and it is impossible to estimate the good that will be accomplished by means of this building.

Amusement and Occupation.

Special attention was paid to amusement and occupation during the year. Dances, entertainments and at homes were held during the winter. Our bowling club won the championship of this district, and a rink of curlers, skipped by a patient, won a valuable trophy at a curling bonspiel held in Kingston last winter. All these things help to relieve the monotony of institution life, and are helpful not only to the patients but to the staff as well. Even the patients who did not participate in the games took a deep interest in the success of the players in the different clubs.

Farm.

By renting the Cunningham farm adjoining the asylum property our farm produce has been materially increased. Our crop of hay, grain and mangels was very much larger than ever before. It would be very much more satisfactory, however, to purchase a suitable farm than to rent small plots of ground wherever we can find them.

Garden.

In the spring we handed over to the gardener additional ground that was formerly in the charge of the farmer. This gave our gardener greater opportunity to increase our supply of vegetables, etc., and I am glad to say that he worked very energetically and provided a liberal supply of garden produce for our patients. During the summer months the supply of vegetables, etc., was much larger than we could use, and a large quantity was preserved and canned for use later on.

The clergymen of Brockville, as usual, were good enough to conduct religious services here during the year, often at considerable personal inconvenience. I must again offer them my most sincere thanks, on behalf of the patients, for their earnest efforts to look after the spiritual wants of those who are unable to attend divine service elsewhere.

There have been very few changes in our official staff during the year. In March Dr. Sutherland, who proved himself a very capable physician, left to enter general practice. He was succeeded by Dr. Stead, who leaves here to-day to enter service in another institution.

I have again to thank the officers and employees for the support they have accorded me during the year. We all worked together in harmony, and whatever we have accomplished is the result of our united efforts.

It is impossible in a brief report to refer in detail to all that has been done here during the year, but I have no hesitation in stating that, in my opinion, it is the most successful period in the history of the Institution. For much of this success we have to thank the Honorable the Provincial Secretary, for supplying the funds necessary to make the many needed improvements. I would be glad if you would convey to him the heartfelt gratitude of the whole staff for the deep interest he has manifested in everything pertaining to the welfare of this Institution. I wish also to thank you for the valuable assistance, advice and encouragement we received from you in the various matters that arose from time to time.

I have the honor to be,
Sir,
Your obedient servant,

Thos. J. Moher,
Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, BROCKVILLE, FOR THE YEAR ENDING OCTOBER 31st, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	330	330	660			
In Residence December 31st, 1909				345	349	694
Admitted during 1909:—						
By Warrant	5		5			
By Medical Certificate	38	43	81	43	43	86
Total number under treatment during year				388	392	780
Discharges during year:—						
As recovered	18	19	37			
" improved	2	11	13			
" unimproved	2		2			
" not insane						
Total number discharged during year.	22	30	52			
Died	25	12	37			
Deported		2	2			
Eloped	1		1			
Transferred		8	8	48	52	100
Remaining in Hospital October 31st, 1909				340	340	680
Total number admitted since opening of Hospital				1,080	1,049	2,129
Total number discharged since opening of Hospital	339	400	739			
Total number died since opening of Hospital	355	246	601			
Total number deported since opening of Hospital	3	2	5			
Total number eloped since opening of Hospital	24	2	26			
Total number transferred since opening of Hospital	19	59	78	740	709	1,449
Total remaining in Hospital October 31st, 1909				340	340	680
Daily average population	342.1	347.8	689.9			
Collective day's stay of all patients in residence during year	104,012	105,738	209,750			
Number of applications on fyle	15	13	28			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	25	15	40	663	487	1,150
Married	16	27	43	403	533	936
Widowed	2	1	3	14	29	43
Divorced	.....	.....	.....	.....	.....	.....
Separated	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....
Total	43	43	86	1,080	1,049	2,129
RELIGION.						
Baptists	2	.....	2	31	27	58
Congregationalists	1	.....	1	5	3	8
Episcopalians	4	7	11	190	193	383
Methodists	5	8	13	164	211	375
Presbyterians	13	13	26	201	179	380
Roman Catholics	17	15	32	404	395	799
Other Denominations	1	.....	1	50	34	84
Unascertained	.....	.....	.....	35	7	42
Total	43	43	86	1,080	1,049	2,129

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions						
Total born in Canada	40	37	77	850	844	1,694
Armenia						
Assyria				2	2	4
Austria					1	1
Australia						
Belgium						
Bulgaria						
Central America						
China				1		1
Denmark				2		2
England		1	1	64	44	108
France				6		6
Finland						
Galicia						
Germany				5	5	10
Greece						
Holland						
Hungary						
Ireland		3	3	65	93	158
Italy				2		2
Japan						
Macedonia						
Other British Possessions						
Norway				1		1
Roumania						
Russia				3	5	8
Scotland	3	2	5	29	29	58
South America						
Spain						
Sweden				2	1	3
Turkey						
United States				29	18	47
West Indies						
Unascertained				19	7	26
Total	43	43	86	1,080	1,049	2,129

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	2	.....	2	12	1	13
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	5	1	6	77	15	92
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	16	.....	16	330	.....	330
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	6	.....	6	113	.....	113
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	.....	1	1	63	25	88
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	5	5	1	174	175
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	.....	36	36	7	705	712
Miners. Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	17	.....	17
Laborers	12	.....	12	355	.....	355
No Occupation	2	.....	2	60	106	166
Unascertained	.....	.....	.....	45	23	68
Total	43	43	86	1,080	1,049	2,129

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases. Admitted during year.			Warrant cases. Admitted since opening.			Remaining in residence.		
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District	....	....	....	1	.....	1	...	....	....	1	....	1	...	...	....
Brant	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	.....	.....	.....
Bruce	....	....	....	4	2	6	....	....	....	2	....	2	2	1	3
Carleton	11	12	23	273	270	543	1	....	1	134	101	235	83	100	183
Dufferin	....	....	....	.....	.....	.....	....	....	....	.....	....	.....	.....	...	...
Dundas	3	2	5	55	46	101	....	....	....	.....	....	.....	13	9	22
Durham	....	....	....	6	5	11	....	....	....	.....	....	.....	...	4	4
Elgin	....	....	....	4	4	8	....	....	....	3	1	4	2	...	2
Essex	....	....	....	7	4	11	....	....	....	4	4	8	2	1	3
Frontenac	....	....	....	15	14	29	....	....	....	7	7	14	2	5	7
Glengarry	3	3	6	66	61	127	1	....	1	1	....	1	11	17	28
Grenville	1	1	2	87	103	190	....	....	....	.....	....	.....	11	21	32
Grey	....	....	....	3	1	4	....	....	....	1	1	2	1	1	2
Haldimand	....	....	....	3	.....	3	....	....	....	3	....	3	1	...	1
Halton	....	....	....	2	.....	2	....	....	....	1	..	1	1	...	1
Hastings	....	....	....	13	26	39	....	....	...	7	17	24	7	9	16
Huron	....	....	....	5	3	8	....	....	..	3	....	3	3	2	5
Kent	....	....	....	7	1	8	....	....	....	4	....	4	3	...	3
Lambton	....	....	....	8	1	9	....	....	....	5	1	6	5	...	5
Lanark	8	6	14	103	112	215	1	....	1	27	18	45	33	37	70
Leeds	9	11	20	112	122	234	1	....	1	31	18	49	40	45	85
Lennox and Addington	....	....	....	4	5	9	....	....	....	4	5	9	3	1	4
Lincoln	....	....	....	3	2	5	....	....	....	2	2	4	...	2	2
Middlesex	1	....	1	16	16	32	....	....	....	10	6	16	4	5	9
Muskoka District	....	....	....	1	.....	1	....	....	....	.....	....	.....	.....	.....	.....
Nipissing District	....	....	....	2	1	3	....	....	....	.....	....	.....	1	...	1
Norfolk	....	....	....	2	.....	2	....	....	....	1	....	1	1	...	1
Northumberland	....	....	....	6	4	10	...	....	....	6	3	9	3	1	4
Ontario	....	....	....	4	7	11	....	....	....	4	7	11	2	...	2
Oxford	....	....	....	5	3	8	....	....	....	5	1	6	1	...	1
Parry Sound District	....	....	....	.....	.....	.....	....	....	....	.....	....	.....	.....	.....	.....
Peel	....	....	....	4	2	6	....	....	....	2	....	2	1	...	1
Perth	....	....	....	6	1	7	....	....	....	6	....	6	2	1	3
Peterborough	....	....	....	4	2	6	....	....	....	4	2	6	1	...	1
Prescott	1	....	1	58	59	117	....	....	....	.....	.....	.....	21	27	48
Prince Edward	...	....	....	2	3	5	....	....	....	35	34	69	...	...	....
Rainy River District	....	....	....	.....	.....	.....	....	....	....	2	2	4	...	...	....
Renfrew	....	....	....	12	12	24	....	....	....	8	5	13	4	5	9
Russell	...	5	5	25	33	58	....	....	....	.....	.....	.....	10	12	22
Simcoe	....	....	....	7	3	10	....	....	....	5	2	7	2	...	2
Stormont	6	3	9	79	62	141	1	....	1	36	11	47	36	18	54
Thunder Bay District	....	....	....	1	.....	1	....	....	....	.....	.....	.....	1	. .	1
Victoria	....	....	....	2	8	10	....	....	....	2	7	9	1	...	1
Waterloo	....	....	....	2	.....	2	....	....	....	1	....	1	1	...	1
Welland	....	....	....	3	.....	3	....	....	....	3	....	3	2	...	2
Wellington	....	....	....	1	3	4	....	....	....	1	....	1	...	...	....
Wentworth	....	....	....	3	5	8	....	....	....	3	2	5	1	2	3
York	....	....	....	48	41	89	....	....	....	43	35	78	20	13	33
Unascertained	....	....	....	6	2	8	....	....	....	.....	1	1	2	1	3
Total	43	43	86	1,080	1,049	2,129	5		5	417	293	710	340	340	680

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	1	3	4	.....	.....	.....	.....
Mental Strain, Worry and Overwork (not included in above)	11	9	20	8	3	11	.....
Religious Excitement	1	2	3	1	2	3	.....
Love Affairs, including seduction	2	1	3	1	1	2	.....
Fright and Nervous Shock	3	1	4	2	1	3	.....
PHYSICAL.							
Alcoholism	5	.....	5	3	.....	3	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	3	.....	3	.....	.....	.....	.....
Masturbation	1	.....	1	1	.....	1	.....
Insolation	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	.....	.....	.....	.....	.....	.....	.....
Pregnancy	.....	1	1	.....	1	1	.....
Parturition and Puerperium	.....	4	4	.....	2	2	.....
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	2	2	.....	2	2	.....
Fevers	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork	2	2	4	1	2	3	.....
Epilepsy	3	1	4	2	.....	2	.....
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	2	3	5	1	.....	1	.....
Senility	.....	.....	.....	.....	.....	.....	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	1	1	.....	1	1	.....
Abuse of Drugs	.....	.....	.....	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	1	3	4	.....	1	1	.....
Other Bodily Diseases	1	7	8	.....	.....	.....	.....
HEREDITARY.							
Congenital Defect	4	1	5	2	1	3	.....
Unascertained	3	2	5	3	2	5	.....
Not Insane	.....	.....	.....	.....	.....	.....	.....
Total	43	43	86	25	19	44	.....

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	7	8	15
Maternal Branch	10	7	17
Paternal and Maternal Branches	3	5	8
Collateral Branches	.....	1	1
No Hereditary Tendency	15	18	33
Unascertained	8	4	12
	43	43	86

TABLE No. 8.

Showing summary of discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	22	30	52
Discharged, Recovered	18	19	37
" Improved	2	11	13
" Unimproved	2	.....	2
Died	25	12	37
Returned to Hospital	4	3	7
Absent on Probation on October 31st, 1909	3	6	9
	.....	.....	.....

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever						
Influenza				2		2
Cerebro-spinal Meningitis						
Diphtheria				1		1
Erysipelas				3	1	4
Septicæmia				4	4	8
Dysentery				6	4	10
Syphilis						
Tuberculosis	6	3	9	55	50	105
Constitutional Diseases:—						
Rheumatism					1	1
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Diseases of the Intestines:—						
Diseases of the Liver	2		2	4	4	8
" " Pancreas						
" " Peritoneum				5	2	7
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx				2		2
" " Bronchi				2		2
" " Lungs		1	1	15	13	28
" " Pleura		1	1	1	1	2
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
" " Heart	3		3	29	18	47
Arterio-sclerosis	2	1	3	15	12	27
Aneurism				1		1
Diseases of the Blood and Ductless Glands:—						
Anæmia						
Pernicious Anæmia				3	1	4
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System	2	1	3	13	8	21
Carried Forward	15	7	22	161	119	280

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	15	7	22	161	119	280
Diseases of the Nervous System:—						
Diseases of the Nerves	.....	.....	.....	1	.....	1
" " Spinal Cord	.....	.....	.....	1	.....	1
" " Meninges	.....	.....	.....	.....	4	4
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)	1	1	2	22	16	38
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	.....	.....	.....	.....	.....	.....
Epilepsy	1	.....	1	37	14	51
Mental Diseases:—						
Exhaustion of Acute Mental Disease	.....	2	2	5	14	19
Exhaustion of Chronic Mental Disease	5	2	7	55	33	88
General Paresis	2	.....	2	39	7	46
Intoxications:—						
Alcoholism	.....	.....	.....	.....	.....	.....
Morphinism	.....	.....	.....	.....	.....	.....
Metallic Poisoning	.....	.....	.....	.....	.....	.....
Heat Stroke	.....	.....	.....	.....	.....	.....
Debility of Old Age	.....	.....	.....	20	26	46
Accident	.....	.....	.....	.....	.....	.....
Suicide	.....	.....	.....	5	2	7
Surgical Diseases	.....	.....	.....	.....	1	1
Gynæcological Diseases	.....	.....	.....	.....	.....	.....
Malignant New Growths, or Cancer	1	.....	1	9	10	19
Total	25	12	37	355	246	601

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	....	....	....	....	....	....	....	....
(b) Infection Delirium	....	....	....	....	....	....	....	....	....
(c) Post Infection Psychoses	....	2	2	....	....	....	....	....	....
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	1	1	....	....	....	....	....	....
(b) Acute Confusional Psychoses	1	3	4	....	3	3	....	1	1
(c) Neurasthenia	2	3	5	1	....	1	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	....	....	....	....	....	....	....	....	....
(b) Chronic "	....	....	....	....	....	....	....	....	....
(a) Alcoholism (acute and chronic)	2	....	2	2	....	2	....	....	....
(b) Delirium Tremens	....	....	....	....	....	....	....	....	....
(c) Korsakow's Psychoses	....	....	....	....	....	....	....	....	....
(d) Acute Alcoholic Hallucinosis	1	....	1	1	....	1	....	....	....
(e) Alcoholic Hallucinatory Dementia.	1	....	1	1	....	1	....	....	....
(f) " Paranoia	....	....	....	....	....	....	....	....	....
(g) " Paresis	....	....	....	....	....	....	....	....	....
(h) Morphinism	....	....	....	....	....	....	....	....	....
(i) Cocainism	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	....	....	....	....	....	....	....
(b) Cretinism	....	....	....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	4	6	10	2	1	3	2	2	4
(b) Catatonic	5	5	10	2	2	4	3	2	5
(c) Paranoid	2	....	2	1	3	4	....	1	1
General Paresis	2	....	2	....	....	....	2	....	2
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	....	....	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	....	....	....	....	....	....	....
(d) Cerebral Syphilis	....	....	....	....	....	....	....	....	....
(e) Tabetic Psychoses	....	....	....	1	....	1	....	....	....
(f) Arterio-sclerotic Psychoses	....	....	....	....	....	....	....	....	....
(g) Cerebral Tumor, Abscess, Hæmorrhage	....	....	....	....	....	....	....	....	....
Involution Psychoses:—									
(a) Melancholia	....	....	....	....	....	....	1	....	1
(b) Pre-senile Delusional Psychoses	1	1	2	1	2	3	1	....	1
(c) Senile Dementia	1	3	4	2	2	4	8	2	10
Manic Depressive Psychoses:—									
(a) Manic States	6	10	16	4	5	9	2	3	5
(b) Depressed States	3	5	8	....	8	8	....	1	1
(c) Mixed States	1	1	2	3	5	8	4	....	4
Carried Forward	32	40	72	21	31	52	23	12	35

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	32	40	72	21	31	52	23	12	35
Paranoia	....	....	....	....	....	....	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	3	1	4	....	....	....	2	....	2
(b) Hysterical Psychoses	....	1	1	....	1	1	....	....	....
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	6	1	7	....	....	....	....	....	....
(b) Idiocy	....	....	....	....	....	....	....	....	....
Not Diagnosed	2	....	2	1	....	1	....	....	....
Not Insane	....	....	....	....	....	....	....	....	....
Total	43	43	86	22	32	54	25	12	37

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	19	5	.....	.....	1	2
From 1 to 2 months	11	9	1	.....	.....	1
" 2 " 3 "	11	6	1	.....	.....	1
" 3 " 4 "	10	9	1	.....	.....	3
" 4 " 5 "	3	11	2	.....	1	.....
" 5 " 6 "	3	7	5	2	.....	2
" 6 " 9 "	5	14	4	5	.....	1
" 9 " 12 "	1	19	8	3	.....	2
" 12 " 18 "	9	40	4	2	.....	2
" 18 months to 2 years	3	45	1	.....	.....	.....
" 2 to 3 years	4	47	4	.....	.....	2
" 3 " 4 "	.....	40	5	.....	.....	1
" 4 " 5 "	2	49	.....	2	.....	2
" 5 " 10 "	3	171	1	1	.....	9
" 10 " 15 "	.....	208	.....	.....	.....	9
" 15 " 20 "	1	.....	.....	.....	.....	.....
" 20 years and upwards	1	.....	.....	.....	.....	.....
Totals	86	680	37	15	2	37

HOSPITAL FOR THE INSANE, COBOURG.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE TEN MONTHS ENDING OCTOBER 31ST, 1909.

November 1st, 1909.

To C. POSTLETHWAITE, ESQ., and E. R. ROGERS, ESQ.,
Inspectors of Hospitals for Insane, etc., Toronto.

GENTLEMEN,—In accordance with the statutory requirements I have the honor to submit the eighth statistical report of this Hospital for the ten months ending October 31st, 1909.

The year opened with 146 patients, our full capacity, and closes with a like number on the register. There were seven admissions, all transfers from other institutions, one patient was transferred to Kingston and six of our population died. Our patients are nearly all senile, and in future, when making transfers, only those who are able to assist themselves and others should be sent.

WORK DONE.

I have to thank you for carrying out in part the recommendations made in my last report, and for your approval and advice in making other much-needed improvements. The installation of a stand pipe with hose on each flat, and the hose reel for carrying larger hose, has added much to the safety of the Institution from fire. The connections made to water tanks, which enables us to wash them out periodically, removes a great source of danger which has hung over our heads since the Institution was opened.

The removal of the force pump from a dark hole in the vicinity of the fan to the boiler room is a decided improvement. The hot-water heating plant at the Superintendent's residence has never been satisfactory, and the furnace consumed an immense quantity of coal. At a small initial cost connection has been made with the steam heating plant at the Institution, and in future the house will be heated at a very low figure.

The roof, which had been patched on several occasions without success, was properly repaired, and the eave-troughs and down-pipes put in good order.

The exterior of buildings and the fences were painted, and the wire screens on windows are much improved by their new coat.

The engineer has made many minor improvements to the plant, and all repairs and changes, together with the installation of stand pipe, the trenching for and laying of steam pipes to Superintendent's residence, have been completed by the Asylum staff without outside assistance.

REQUIREMENTS.

Our wants are not many, but we do require more than ever before a suitable root house, store house and tool house combined. Now that Faraday Hall has been razed to the ground, we have no place to store vegetables, and have had to have recourse to the ice house to temporarily store cabbage. We increased our acreage for growing vegetables this year, and will further increase it next. You are aware that there is no stable in connection with the Institution. At present we have not

a horse, and have to hire them for ploughing and pay cartage charges on all goods brought from or going to station. A good stable, general purpose horse or team, a wagon and carriage, would prove, I feel sure, a good asset, and I trust you will take the question into your serious consideration. A small greenhouse, in which the gardener could start early vegetables and grow sufficient flowers for the Institution, would be much appreciated. This could be built in conjunction with the root house and be heated from the main building.

There are still some minor changes required in heating arrangements, and we will require radiators for patients' dining room and for nurses' rooms in the east and west wings. When the wind is in west the temperature is very low in the west room, and the same applies to the east room when wind is in that direction. The work will be done at small cost by the engineer.

Staff.

There have been but few changes in the staff. Patrick Casserley, engineer since the opening of the Institution, feeling that he was getting too old for the position, resigned on March 9th, and his place was filled by the appointment of Thos. Niles, who has proved to be a most valuable acquisition to the staff.

On April 15th Andrew McGwan assumed duty as gardener. His work has been most satisfactory; more land was broken, and next year he expects to markedly increase the output of the garden.

The nursing staff remains much the same as last year. The nurses take interest in their work, are kindly disposed towards the patients, and most respectful in their demeanor to those in authority. There were but few changes among the nurses and none among the employees or official staff other than those referred to.

In closing, I wish to thank all connected with the Institution for the loyal support they have accorded me since my appointment, and you, sirs, for the kind interest you have at all times manifested in the welfare of the Institution.

I have the honor to be,

Sirs,

Your obedient servant,

W. T. Wilson,
Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR INSANE, COBOURG, FOR THE YEAR ENDING OCTOBER 31ST, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	.....	146	146			
In Residence December 31st, 1908	.....	.....	.....	.....	146	146
Admitted during year 1909:—						
By Warrant	.....	4	4			
By Medical Certificate	.....	3	3	.....	7	7
Total number under treatment during year	.....	.....	.....	.....	153	153
Discharges during year:—						
As recovered	.....	.....	.....			
" improved	.....	.....	.....			
" unimproved	.....	.....	.....			
" not insane	.....	.....	.....			
Total number discharged during year	.....	.....	.....			
Died	.....	6	6			
Deported	.....	.....	.....			
Eloped	.....	.....	.....			
Transferred	.....	1	1	.....	7	7
Remaining in Hospital October 31st, 1909	.....	.....	.....	.....	146	146
Total number admitted since opening of Hospital	.....	.....	.....	.....	219	219
Total number discharged since opening of Hospital	.....	6	6			
Total number died since opening of Hospital	.....	51	51			
Total number deported since opening of Hospital	.....	1	1			
Total number eloped since opening of Hospital	.....	.....	.....			
Total number transferred since opening of Hospital	.....	15	15	.....	73	73
Total remaining in Hospital October 31st, 1909	.....	.....	.....	.....	146	146
Daily average population	.....	145.27	145.27			
Collective days' stay of all patients in residence during year	.....	44,162	44,162			
Number of applications on fyle	.....	.....	.....			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Social State.						
Single	.....	4	4	.....	124	124
Married	.....	2	2	.....	85	85
Widowed	.....	1	1	.....	10	10
Divorced	.....	.....	.....	.....	.....	.....
Separated	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....
Total	.....	7	7	.....	219	219
Religion.						
Baptists	.....	.....	.....	.....	7	7
Congregationalists	.....	.....	.....	.....	.....	.....
Episcopalians	.....	.....	.....	.....	48	48
Methodists	.....	3	3	.....	59	59
Presbyterians	.....	1	1	.....	40	40
Roman Catholics	.....	2	2	.....	45	45
Other Denominations	.....	.....	.....	.....	14	14
Unascertained	.....	1	1	.....	6	6
Total	.....	7	7	.....	219	219

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity of those remaining in Hospital October 31st, 1909.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	.....	7	7	.....	219	219
Total born in Canada 92	.....	5	5	.....	134	134
Armenia	.....	.....	.....	.....	.....	.....
Assyria	.....	.....	.....	.....	.....	.....
Austria	.....	.....	.....	.....	.....	.....
Australia	.....	.....	.....	.....	.....	.....
Belgium	.....	.....	.....	.....	.....	.....
Bulgaria	.....	.....	.....	.....	.....	.....
Central America	.....	.....	.....	.....	.....	.....
China	.....	.....	.....	.....	.....	.....
Denmark	.....	.....	.....	.....	.....	.....
England 18	.....	.....	.....	.....	26	26
France	.....	.....	.....	.....	.....	.....
Finland	.....	.....	.....	.....	.....	.....
Galicia	.....	.....	.....	.....	.....	.....
Germany	.....	.....	.....	.....	1	1
Greece	.....	.....	.....	.....	.....	.....
Holland	.....	.....	.....	.....	.....	.....
Hungary	.....	.....	.....	.....	.....	.....
Ireland 24	.....	2	2	.....	38	38
Italy	.....	.....	.....	.....	.....	.....
Japan	.....	.....	.....	.....	.....	.....
Macedonia	.....	.....	.....	.....	.....	.....
Other British Possessions	.....	.....	.....	.....	.....	.....
Norway 1	.....	.....	.....	.....	1	1
Roumania	.....	.....	.....	.....	.....	.....
Russia	.....	.....	.....	.....	.....	.....
Scotland 9	.....	.....	.....	.....	14	14
South America	.....	.....	.....	.....	.....	.....
Spain	.....	.....	.....	.....	.....	.....
Sweden	.....	.....	.....	.....	.....	.....
Turkey	.....	.....	.....	.....	.....	.....
United States 1	.....	.....	.....	.....	2	2
West Indies	.....	.....	.....	.....	.....	.....
Unascertained 1	.....	.....	.....	.....	3	3
Total 146	.....	7	7	.....	219	219

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	.....	.....	.....	.....	.....	.....
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	.....	.....	.....	.....	1	1
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	.....	.....	.....	.....	.....	.....
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	.....	.....	.....	.....	.....	.....
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	.....	.....	.....	.....	8	8
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	5	5	.....	60	60
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	.....	.....	.....	.....	97	97
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	.....	.....	.....
Laborers	.....	.....	.....	.....	.....	.....
No Occupation	.....	2	2	.....	53	53
Unascertained	.....	.....	.....	.....	.....	.....
Total	.....	7	7	.....	219	219

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District															
Brant					2	2					2	2		1	1
Bruce					1	1								1	1
Carleton		1	1		2	2		1	1		1	1		2	2
Dufferin															
Dundas		1	1		2	2								2	2
Durham					20	20					2	2		11	11
Elgin					2	2								2	2
Essex					1	1					1	1		1	1
Frontenac		1	1		6	6		1	1		2	2		5	5
Glengarry					2	2								1	1
Grenville															
Grey					6	6					3	3		6	6
Haldimand															
Halton					2	2					1	1		2	2
Hastings					7	7					2	2		4	4
Huron					6	6					4	4		5	5
Kent					1	1					1	1		1	1
Lambton		1	1		5	5					1	1		4	4
Lanark					1	1								1	1
Leeds															
Lennox and Addington		2	2		6	6		2	2		4	4		4	4
Lincoln					4	4					2	2		3	3
Middlesex					13	13					4	4		9	9
Muskoka District															
Nipissing District					1	1								1	1
Norfolk															
Northumberland					18	18					5	5		8	8
Ontario					12	12					8	8		6	6
Oxford					5	5					2	2		1	1
Parry Sound District															
Peel					1	1					1	1		1	1
Perth					3	3					2	2		3	3
Peterborough					11	11					5	5		8	8
Prescott															
Prince Edward		1	1		2	2								2	2
Rainy River District															
Renfrew					2	2					1	1		1	1
Russell															
Simcoe					9	9					4	4		8	8
Stormont					2	2					1	1		2	2
Thunder Bay District															
Victoria					8	8					3	3		3	3
Waterloo															
Welland															
Wellington					5	5					2	2		3	3
Wentworth					8	8					4	4		6	6
York					42	42					28	28		28	28
Unascertained					1	1					1	1			
Total		7	7		219	219		4	4		97	97		146	146

TABLE No. 6.

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
MORAL.							
Adverse Conditions (such as loss of friends, business troubles, etc.)							
Mental Strain, Worry and Overwork (not included in above)							
Religious Excitement							
Love Affairs, including seduction		1	1				
Fright and Nervous Shock		1	1		1	1	
PHYSICAL.							
Alcoholism							
Sexual Excess							
Venereal Diseases							
Masturbation							
Insolation							
Accident or Injury							
Pregnancy							
Parturition and Puerperium							
Lactation							
Climacteric Period							
Fevers							
Privation and Overwork							
Epilepsy							
Other Convulsive Diseases							
Diseases of Brain and Skull							
Senility							
Exophthalmic Goitre							
Epidemic Influenza							
Abuse of Drugs							
Loss of Special Sense							
Uræmia							
Other Auto-infection							
Other Bodily Diseases							
HEREDITARY.							
Congenital Defect							
Unascertained		5	5				5
Not Insane							
Total		7	7		1	1	5

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch			
Maternal Branch			
Paternal and Maternal Branches		1	1
Collateral Branches			
No Hereditary Tendency		6	6
Unascertained			
Total		7	7

TABLE No. 8.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge			
Discharged, Recovered			
" Improved			
" Unimproved			
Died			
Returned to Hospital			
Absent on Probation on October 31st, 1909			

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever						
Influenza						
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas						
Septicæmia						
Dysentery					1	1
Syphilis						
Tuberculosis						
Constitutional Diseases:—						
Rheumatism					1	1
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Stomach						
Diseases of the Intestines:—						
Diseases of the Liver						
Diseases of the Pancreas						
Diseases of the Peritoneum					1	1
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
" " Bronchi					1	1
" " Lungs		1	1		8	8
" " Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
" " Heart		3	3		7	7
Arterio-sclerosis						
Aneurism						
Diseases of the Blood and Ductless Glands:—						
Anæmia						
Pernicious Anæmia						
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System					1	1
Carried Forward		4	4		20	20

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward		4	4		20	20
Diseases of the Nervous System:—						
Diseases of the Nerves						
" " Spinal Cord						
" " Meninges					1	1
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)					2	2
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)						
Epilepsy					2	2
Mental Diseases:—						
Exhaustion of Acute Mental Disease					3	3
Exhaustion of Chronic Mental Disease		1	1		7	7
General Paresis					1	1
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age		1	1		12	12
Accident						
Suicide						
Surgical Diseases					2	2
Gynæcological Diseases						
Malignant New Growths, or Cancer					1	1
Total		6	6		51	51

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium									
(b) Infection Delirium									
(c) Post Infection Psychoses									
Exhaustion Psychoses:—									
(a) Collapsed Delirium									
(b) Acute Confusional Psychoses									
(c) Neurasthenia									
Intoxication Psychoses:—									
(a) Acute Intoxications									
(b) Chronic "									
(a) Alcoholism (acute and chronic)									
(b) Delirium Tremens									
(c) Korsakow's Psychoses									
(d) Acute Alcoholic Hallucinosis									
(e) Alcoholic Hallucinatory Dementia									
(f) " Paranoia									
(g) " Paresis									
(h) Morphinism									
(i) Cocainism									
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses									
(b) Cretinism									
Dementia Præcox:—									
(a) Hebaphrenic									
(b) Catatonic									
(c) Paranoid									
General Paresis									
Organic Dementias:—									
(a) Cerebral Sclerosis									
(b) Huntingdon's Chorea									
(c) Multiple Sclerosis									
(d) Cerebral Syphilis									
(e) Tabetic Psychoses									
(f) Arterio-sclerotic Psychoses									
(g) Cerebral Tumor, Abscess, Hæmorrhage									
Involution Psychoses:—									
(a) Melancholia									
(b) Pre-senile Delusional Psychoses									
(c) Senile Dementia		4	4					5	5
Manic Depressive Psychoses:—									
(a) Manic States		1	1					1	1
(b) Depressed States									
(c) Mixed States									
Carried Forward		5	5					6	6

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	....	5	5	....	....	....	....	6	6
Paranoia	....	....	....	....	....	....	....	....	....
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses	....	....	....	....	....	....	....	....	....
(b) Hysterical Psychoses	....	....	....	....	....	....	....	....	....
(c) Sexualis Psychopathia	....	....	....	....	....	....	....	....	....
States of Deficient Mental Development:—									
(a) Imbecility	....	2	2	....	....	....	....	....	....
(b) Idiocy	....	....	....	....	....	....	....	....	....
Not Diagnosed	....	....	....	....	....	....	....	....	....
Not Insane	....	....	....	....	....	....	....	....	....
Total	....	7	7	....	....	....	....	6	6

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	.....	1	.....	.....	.....	.....
From 1 to 2 months	.....	.....	.....	.....	.....	.....
" 2 " 3 "	.....	.....	.....	.....	.....	.....
" 3 " 4 "	.....	2	.....	.....	.....	.....
" 4 " 5 "	.....	3	.....	.....	.....	.....
" 5 " 6 "	.....	1	.....	.....	.....	.....
" 6 " 9 "	.....	.....	.....	.....	.....	.....
" 9 " 12 "	.....	.....	.....	.....	.....	.....
" 12 " 18 "	.....	11	.....	.....	.....	.....
" 18 months to 2 years	.....	7	.....	.....	.....	1
" 2 to 3 years	.....	2	.....	.....	.....	.....
" 3 " 4 "	.....	11	.....	.....	.....	.....
" 4 " 5 "	.....	5	.....	.....	.....	.....
" 5 " 10 "	.....	103	.....	.....	.....	5
" 10 " 15 "	.....	.....	.....	.....	.....	.....
" 15 " 20 "	.....	.....	.....	.....	.....	.....
" 20 years and upwards	7	.....	.....	.....	.....	.....
Totals	7	146	.....	.....	.....	6

HOSPITAL FOR INSANE, PENETANGUISHENE.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR THE YEAR ENDING OCTOBER 31ST, 1909.

To C. POSTLETHWAITE and EDWIN R. ROGERS, ESQS.,
Inspectors of Prisons and Public Charities,
Parliament Buildings, Toronto.

SIRS,—In accordance with the requirements of the statute, I herewith submit the Annual Report of the Asylum for the year ending October 31st, 1909.

By reference to Table No. 1 it will be seen that there were 380 patients under treatment during the year, as against 365 last year. The number of discharges during the year were ten, as against five last year. Remaining in the Asylum at the end of the year 355, as against 338 last year; and twelve died, as against fourteen last year. The death-rate is not large when it is considered that the great proportion of our population are seniles.

We had only one elopement, and no suicides.

We are sorry to have to say that we have far too few workers to carry on the work of the Institution properly; in fact, even of those we had at the beginning of the year several of our best workers died, and I would here again urge that they should be replaced by workers.

IMPROVEMENTS.

We have continued this year the work begun last year, that of clearing up the land immediately surrounding the buildings of the collection of rubbish of years, and have pretty well succeeded, although yet there is much to do to help nature to develop all the beauties of the situation. Eventually, I have no doubt, if judicious improvements are continued each year, this will be one of the beauty spots of Canada.

This year we have had two or three acres in front of the buildings broken up, cleaned of weeds, stones, etc., and placed under root crop. We have engaged the services of a landscape gardener, who has made a plan and submitted it, with a view to having the grounds laid out properly and planted with such trees and shrubbery as will be proper on the lawns in order to beautify them. In such a way the plan, which will take years to complete, will eventually be finished as it should be.

As part of the development of the grounds in front, we have fenced off as a cemetery a couple of acres on the face of the slope looking towards the bay, and having levelled it and planted a spruce hedge around it and seeded it down to grass, we will have as pretty a spot as anyone could wish to be buried in. This will add very much to the appearance of the front, and will be much more convenient as a burying ground for the patients than the old one, which was so far away and so unsuitable in many ways. We moved the bodies in the old cemetery to the new one, and marked them with stakes.

The gardeners have, with a good deal of work, got the grounds about the men's ward and back of the laundry into a lawn-like condition, nicely graded and well seeded, and it is a credit to them.

We have added to our grounds by purchasing the Hallam place, a farm of forty acres which adjoins the Hospital grounds and is so situated that it was really

necessary that we should have it under control. We at once built around one side and one end 200 rods of fine, woven-wire fence, thus enclosing it. It was before a mere commons, the orchard and buildings going to wreck. This will prove a valuable addition to the grounds near the Institution.

Across the bay the twenty acres partially cleared and brought under cultivation last fall were this spring planted to potatoes and turnips, after being enclosed with a woven-wire fence. Next year the farmer intends to seed it down to grass, it being the most suitable crop to grow there for the present. The new dock there, built on the ice last February, has proved most valuable and will last for years. This was built by our own men at a good deal of discomfort to them, as it was a wet, cold job, but all worked with a will and without grumbling. The structure is a credit to them, and the whole expense to the Institution was not more than $100.00.

We had a good deal of new building to accomplish this season, and I am glad to be able to say that we have succeeded in accomplishing what was to be done, although it made a very busy time and was rather hard upon the few workers we have in our population: however, it has all been managed without anyone getting hurt, and they look hardy and well from being out in the open air so much.

We first built a neat potting house adjoining the greenhouse; this was much needed. Then we built four separate rooms for excited female patients: we could hardly exist without these; they have not cost much, look well, and really are one of the greatest boons we have had granted recently. We could make use of a few more in the near future.

The principal work, however, was at the barn, where we have built a most convenient cow-stable, modern in every particular. It is 76 feet x 35 feet, terminating at the one end in the old root house adjoining the silo, and at the other in a spacious root house excavated in the bank 40 ft. x 30 ft. x 10 ft., and covered with a cement roof which rests on iron pillars and steel girders, the cement being reinforced with a layer of expanded metal. We hope to make this structure, when finished, a model of convenience, and as modern in every way as any cow-stable in the Province.

We have also built a first-class slaughter house, which will be fitted up with every modern convenience; this was badly needed and will fill a much felt want.

We also built a new pig pen, 45 ft. x 30 ft., with cement floor, troughs, etc., etc. This, too, is a very creditable building, and will be much appreciated by all who have to work there.

We have also moved the old driving house to a convenient position, and in it fitted up a splendid granary with cement floor and hemlock lumber, making it rat proof.

We had no barn yard before: now we have arranged to have a most convenient one, facing the south and east and protected from the north and west, and properly drained with a six-inch tile system, and we have also laid nearly six hundred feet of four-inch iron water pipe to the barns, and put in a hydrant there, so that we shall now have fire protection, which was entirely absent before.

After building the dock before the ice broke up in the bay, we also had twenty-five or thirty cords of wood cut and drawn over, sawn into proper stove lengths, and piled into the woodshed. Our wood formerly was bought from outsiders at about $3 per cord.

We had a good deal of trouble about this time in getting a survey of the 326 acres composing the triangle across the bay. The lines and stakes had become obliterated, and the timber was each year being stolen because we could not prove where the lines were. However, the Government sent on surveyors, who have succeeded in laying out the lot satisfactorily.

Our first large mason work last spring was building a cement roof to the coal vault. This was accomplished with iron pillars, steel girders and expanded metal for reinforcing the cement. The span covered was 70 feet x 52 feet, and there are six circular 30-inch openings in the top through which the coal may be dumped into the vault. For present convenience we need now two hopper-bottomed waggons for hauling the coal until the Government shall see fit to furnish us with a wire-rope trolley system to draw the coal from the dock to the vault.

We have finished the Hospital rooms, which are now ready to be furnished for use.

Our last large work has been the rebuilding of the old power house preparatory to putting in a pumping and electric light plant. This has been a troublesome job. We took out the old boilers and pump, and installed one old boiler and one large new one, cemented all the floors, and made a creditable building from one fast going to wreck. We built outside of it a cement platform six feet wide and the whole length of the building, about sixty feet. The proposition is, besides furnishing our own electric light and after we have built a reservoir, to pump bay water up to be used for all except potable purposes. We also built a new boathouse for the use of the employees. This, with the other necessary work of such an Institution, has made a pretty full and busy year, and I am glad to say that we are done before the very inclement weather has set in.

Our Needs.

We shall need next year a reservoir and a telephone system—we are very much hampered for the want of the latter. We are badly in need of a new main sewer, twenty inches in diameter, to replace the old and inadequate nine-inch tile. This old sewer has caused us almost endless trouble during the year by getting blocked up. As the fall to the bay is very great, the enlarged sewer would certainly give us relief and little or no trouble in the future.

We need at the carpenter shop a circular saw for ripping, etc., a turning lathe and a band saw; also some sort of power with which to run them. A gasoline engine would do, and as the bakeshop is under the same roof, the power would answer for the mixer.

We need badly a wire-rope trolley system to bring the coal to the vault from the dock, and thus save an immense amount of horse and patient labor. This is the only feasible way of bringing our coal up the long hill. We need in connection with this system a powerful traction engine, which would furnish power for a score of other things beside hauling up the coal.

We also need badly a cold storage building; this was slated to have been built this year, but somehow it was not accomplished. It should be the first structure built next spring.

It will also be necessary to build a dock in front of the power house, where coal, etc., may be landed for the use of the water and electric light plants.

The above improvements, if carried out next year, will make it as busy a season as the past, and would put the Institution into pretty good condition.

Although the early part of the season was very dry, the farm and garden have been very successful this year, as will be seen by the accompanying tables of products. The vegetables have been very fine and in abundance.

The Inspector very generously bought us early in the season a very fine gasoline launch, which has been a constant comfort since her purchase. She is capable of carrying forty persons, and quite powerful enough to tow any scow we wish. She

is used to take the employees to church, etc., in town, and in conveying workers and teams across the bay to the farm.

The work of the Institution has gone along fairly smoothy; the officers and employees have performed their various duties to the best of their ability, and I take this opportunity of thanking them, and also you, sirs, for your kind consideration, advice and help in carrying out the troublesome work of such an Institution for the year.

I cannot close this report without taking the opportunity of publicly thanking the Reverend Messrs. Little and Brunette for so kindly attending to the spiritual comfort of the patients and others. Their labors have been very acceptable and much appreciated.

I have the honor to be,

Sirs,

Your obedient servant,

G. A. MacCallum,
Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR THE INSANE, PENETANGUISHENE, FOR THE YEAR ENDING OCTOBER 31ST, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	165	202	367			
In residence, December 31st, 1908	.....	.....	.....	159	179	338
Admitted during year 1909:—						
By Warrant	7	18	25			
By Medical Certificate	7	10	17	14	28	42
Total number under treatment during year	.....	.....	.....	173	207	380
Discharges during year:—						
As recovered	8	2	10			
" improved	.....	.....	.....			
" unimproved	.....	.....	.....			
" not insane	.....	.....	.....			
Total number discharged during year.	8	2	10			
Died	2	10	12			
Deported	1	.....	1			
Eloped	1	.....	1			
Transferred	1	.....	1	13	12	25
Remaining in Hospital, October 31st, 1909	.....	.....	.....	160	195	355
Total number admitted since opening of Hospital	.....	.....	.....	218	246	464
Total number discharged since opening of Hospital	14	11	25			
Total number died since opening of Hospital	28	33	61			
Total number deported since opening of Hospital	7	.....	7			
Total number eloped since opening of Hospital	3	.....	3			
Total number transferred since opening of Hospital	6	7	13	58	51	109
Total remaining in Hospital, October 31st, 1909	.....	.....	.....	160	195	355
Daily average population, 10 months (304 days)	162	193	355			
Collective days' stay of all patients in residence during year	49,158	58,738	107,896			
Number of applications on fyle	.....	.....	.....	.....	.....	.....

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	7	14	21	152	127	279
Married	7	14	21	59	112	171
Widowed						
Divorced						
Separated						
Unascertained				7	7	14
Total	14	28	42	218	246	464
RELIGION.						
Baptists	1	2	3	8	7	15
Congregationalists						
Episcopalians	4	3	7	43	55	98
Methodists	1	4	5	42	48	90
Presbyterians	1	5	6	32	42	74
Roman Catholics	5	7	12	47	62	109
Other Denominations				23	18	41
Unascertained	2	7	9	23	14	37
Total	14	28	42	218	246	464

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions						
Total born in Canada	9	16	25	118	148	266
Armenia				1		1
Assyria				1		1
Austria						
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	2		2	36	18	54
France						
Finland				3	1	4
Galicia						
Germany				4	5	9
Greece						
Holland						
Hungary						
Ireland	2	1	3	17	36	53
Italy				3	1	4
Japan						
Macedonia				1		1
Other British Possessions						
Norway				1		1
Roumania						
Russia				3	2	5
Scotland		2	2	9	14	23
South America						
Spain						
Sweden		1	1	1	1	2
Turkey						
United States	1	1	2	6	6	12
West Indies						
Unascertained		7	7	14	14	28
Total	14	28	42	218	246	464

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	.....	.....	.....	3	.....	3
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	.....	.....	.....	3	.....	3
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	4	.....	4	56	.....	56
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	4	.....	4	17	.....	17
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	1	4	5	7	6	13
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	3	3	.....	74	74
Education and Higher Domestic Duties: Governesses, Teachers, Students, Housekeepers, Nurses, etc.	.....	14	14	4	93	97
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	.....	.....	.....
Laborers	4	.....	4	87	.....	87
No Occupation	1	.....	1	16	44	60
Unascertained	.....	7	7	25	29	54
Total	14	28	42	218	246	464

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District	....	....	....	12	5	17	....	....	....	6	2	8	11	5	16
Brant	....	....	....	.....	1	1	....	....	....	.....	.....	.....	...	1	1
Bruce	....	....	....	1	5	6	....	....	....	1	3	4	1	5	6
Carleton	....	....	....	1	2	3	....	....	....	1	1	2	1	2	3
Dufferin	....	....	....	.....	1	1	....	....	....	.....	.....	.....	...	1	1
Dundas	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Durham	....	....	....	.....	1	1	....	....	....	.....	.....	.....	...	1	1
Elgin	....	....	....	.....	3	3	....	....	....	.....	2	2	...	3	3
Essex	....	....	....	.....	2	2	....	....	....	.....	2	2	...	2	2
Frontenac	....	....	....	.....	4	4	....	....	....	1	2	3	...	4	4
Glengarry	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Grenville	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Grey	....	....	....	13	4	17	....	....	....	10	3	13	9	4	13
Haldimand	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Halton	....	....	....	1	.....	1	....	....	....	.....	.....	.....	1	...	1
Hastings	....	....	....	.....	6	6	....	2	2	.....	6	6	...	4	4
Huron	....	2	2	1	3	4	....	....	....	.....	.....	.....	1	3	4
Kent	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Lambton	....	1	1	1	3	4	....	1	1	1	1	2	...	2	2
Lanark	....	....	....	.....	1	1	....	....	....	.....	.....	.....	...	1	1
Leeds	....	....	....	.....	1	1	....	....	....	.....	1	1	...	1	1
Lennox and Addington	....	1	1	1	6	7	....	1	1	.....	5	5	...	6	6
Lincoln	....	1	1	2	1	3	....	1	1	2	1	3	1	1	2
Middlesex	....	....	....	5	8	13	....	....	....	4	4	8	4	5	9
Muskoka District	....	1	1	10	7	17	....	1	1	8	6	14	9	5	14
Nipissing District	....	....	....	4	1	5	....	....	....	6	....	6	1	1	2
Norfolk	....	2	2	.....	3	3	....	....	....	.....	.....	.....	...	2	2
Northumberland	....	....	....	5	8	13	....	....	....	2	2	4	3	6	9
Ontario	1	4	5	15	9	24	1	2	3	14	4	18	13	8	21
Oxford	....	....	....	2	2	4	....	....	....	2	1	3	2	1	3
Parry Sound District	....	....	....	4	1	5	....	....	....	4	....	4	1	1	2
Peel	....	....	....	1	1	2	....	....	....	.....	.....	.....	1	1	2
Perth	....	....	....	1	3	4	....	....	....	1	2	3	...	2	2
Peterborough	....	....	....	3	2	5	....	....	....	3	2	5	3	2	5
Prescott	....	....	....	1	1	2	....	....	....	.....	.....	.....	1	1	2
Prince Edward	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Rainy River District	1	....	1	3	1	4	1	....	1	3	1	4	2	1	3
Renfrew	....	....	....	1	1	2	....	....	....	2	1	3	...	1	1
Russell	....	....	....	.....	.....	.....	....	....	....	.....	.....	.....	...	.....	.....
Simcoe	9	10	19	52	67	119	4	5	9	22	27	49	30	46	76
Stormont	....	....	....	.....	1	1	....	....	....	.....	1	1	...	1	1
Thunder Bay District	....	1	1	2	1	3	....	1	1	2	1	3	2	1	3
Victoria	....	1	1	5	7	12	....	1	1	4	6	10	3	6	9
Waterloo	....	....	....	2	.....	2	....	....	....	2	....	2	1	...	1
Welland	....	....	....	.....	1	1	....	....	....	1	....	1	...	1	1
Wellington	....	....	....	3	3	6	....	....	....	1	....	1	3	3	6
Wentworth	....	....	....	6	2	8	....	....	....	2	2	4	5	2	7
York	3	2	5	45	57	102	1	2	3	36	36	72	40	48	88
Unascertained	....	2	2	15	10	25	....	1	1	17	9	26	11	4	15
Total	14	28	42	218	246	464	7	18	25	158	134	292	160	195	355

TABLE No. 6

Showing the assigned causes of insanity in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
Moral.							
Adverse Conditions (such as loss of friends, business troubles, etc.)	1	.....	1	.....	.....	.....	.....
Mental Strain, Worry and Overwork (not included in above)	3	1	4	2	.....	2	.....
Religious Excitement	.....	2	2	.....	.....	.....	.....
Love Affairs, including seduction	1	1	2	.....	.....	.....	.....
Fright and Nervous Shock	.....	.....	.....	.....	.....	.....	.....
Physical.							
Alcoholism	.....	.....	.....	.....	.....	.....	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	1	.....	1	.....	.....	.....	.....
Masturbation	.....	.....	.....	.....	.....	.....	.....
Insolation	1	.....	1	.....	2	2	.....
Accident or Injury	1	1	2	.....	.....	.....	.....
Pregnancy	.....	2	2	.....	1	1	.....
Parturition and Puerperium	.....	.....	.....	.....	.....	.....	.....
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	1	1	.....	.....	.....	.....
Fevers	.....	1	1	.....	.....	.....	.....
Privation and Overwork	.....	.....	.....	.....	.....	.....	.....
Epilepsy	.....	1	1	.....	.....	.....	.....
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	.....	2	2	2	.....	2	.....
Senility	.....	.....	.....	1	.....	1	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	.....	.....	.....	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	.....	3	3	.....	.....	.....	.....
Other Bodily Diseases	.....	.....	.....	.....	2	2	.....
Hereditary.							
Congenital Defect	.....	.....	.....	1	.....	1	.....
Unascertained	.....	.....	.....	.....	7	7	.....
Not Insane	.....	1	1	.....	.....	.....	.....
Total	8	16	24	6	12	18	.....

TABLE No. 7.

Showing hereditary tendency to insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted During Year.		
	Male.	Female.	Total.
Paternal Branch	3	5	8
Maternal Branch	2	3	5
Paternal and Maternal Branches	1	.....	1
Collateral Branches	.....	2	2
No Hereditary Tendency	6	9	15
Unascertained	2	9	11
Total	14	28	42

TABLE No. 8.

Showing summary of discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge	8	2	10
Discharged, Recovered	8	2	10
" Improved	.....	.....	.....
" Unimproved	.....	.....	.....
Died	2	10	12
Returned to Hospital	2	1	3
Absent on probation on October 31st, 1909	2	1	3

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever				1		1
Influenza						
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas		2	2	1	2	3
Septicæmia						
Dysentery						
Syphilis						
Tuberculosis		2	2	3	3	6
Constitutional Diseases:—						
Rheumatism						
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus						
Diseases of the Intestines:—						
Diseases of the Liver						
" " Pancreas						
" " Peritoneum						
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
" " Bronchi						
" " Lungs						
" " Pleura				1		1
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
" " Heart	1	1	2	7	5	12
Arterio-sclerosis						
Aneurism						
Diseases of the Blood and Ductless Glands:—						
Anæmia					1	1
Pernicious Anæmia					1	1
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System				1		1
Carried Forward	1	5	6	14	12	25

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the Hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	1	5	6	14	12	25
Diseases of the Nervous System:—						
Diseases of the Nerves						
" " Spinal Cord						
" " Meninges				1		1
Organic Diseases of the Brain, (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)		2	2	1	5	6
Functional Nervous Diseases, (Paralysis Agitans, Chorea, Eclampsia, Hysteria)						
Epilepsy					1	1
Mental Diseases:—						
Exhaustion of Acute Mental Disease				1		1
Exhaustion of Chronic Mental Disease						
General Paresis				2	4	6
Intoxications:—						
Alcoholism						
Morphinism				1		1
Metallic Poisoning						
Heat Stroke						
Debility of Old Age		2	2	7	8	15
Accident						
Suicide						
Surgical Diseases					2	2
Gynæcological Diseases						
Malignant New Growths, or Cancer		2	2		2	2
Total	1	11	12	27	34	61

TABLE No. 10.

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Infection Psychoses:—									
(a) Fever Delirium	....	1	1	....	....	....	....	....	....
(b) Infection Delirium	....	2	2	....	....	....	....	1	1
(c) Post Infection Psychoses	....	4	4	....	1	1	....	1	1
Exhaustion Psychoses:—									
(a) Collapsed Delirium	....	....	....	....	....	....	....	....	....
(b) Acute Confusional Psychoses	2	1	3	1	....	1	....	2	2
(c) Neurasthenia	....	1	1	....	....	....	....	....	....
Intoxication Psychoses:—									
(a) Acute Intoxications	1	1	2	....	....	....	....	....	....
(b) Chronic "	....	1	1	....	....	....	1	1	2
(a) Alcoholism (acute and chronic)	....	....	....	1	....	1	....	....	....
(b) Delirium Tremens	....	....	....	....	....	....	....	....	....
(c) Korsakow's Psychoses	....	....	....	....	....	....	....	....	....
(d) Acute Alcoholic Hallucinosis	....	....	....	....	....	....	....	....	....
(e) Alcoholic Hallucinatory Dementia	....	....	....	....	....	....	....	....	....
(f) " Paranoia	....	....	....	....	....	....	....	....	....
(g) " Paresis	....	....	....	....	....	....	....	....	....
(h) Morphinism	....	....	....	....	....	....	....	....	....
(i) Cocainism	....	....	....	....	....	....	....	....	....
Thyroigenous Psychoses:—									
(a) Mixœdematous Psychoses	....	....	....	....	....	....	....	....	....
(b) Cretinism	....	....	....	....	....	....	....	....	....
Dementia Præcox:—									
(a) Hebaphrenic	5	2	7	3	....	3	....	....	....
(b) Catatonic	1	....	1	....	....	....	1	1	2
(c) Paranoid	....	....	....	....	....	....	....	....	....
General Paresis	....	....	....	....	....	....	....	....	....
Organic Dementias:—									
(a) Cerebral Sclerosis	....	....	....	....	....	....	....	....	....
(b) Huntingdon's Chorea	....	1	1	....	....	....	....	....	....
(c) Multiple Sclerosis	....	....	....	....	....	....	....	1	1
(d) Cerebral Syphilis	1	....	1	....	....	....	....	....	....
(e) Tabetic Psychoses	....	....	....	....	....	....	....	....	....
(f) Arterio-sclerotic Psychoses	....	....	....	2	....	2	....	1	1
(g) Cerebral Tumor, Abscess, Hæmorrhage	1	....	1	....	....	....	....	....	....
Involution Psychoses:—									
(a) Melancholia	....	1	1	....	....	....	....	....	....
(b) Pre-senile Delusional Psychoses	1	1	2	....	....	....	....	....	....
(c) Senile Dementia	....	....	....	....	....	....	....	....	....
Manic Depressive Psychoses:—									
(a) Manic States	....	4	4	....	....	....	....	1	1
(b) Depressed States	....	3	3	....	....	....	....	1	1
(c) Mixed States	....	1	1	....	....	....	....	....	....
Carried Forward	12	24	36	7	1	8	2	10	12

TABLE No. 10—*Continued.*

Showing form of mental disease of patients admitted, discharged and died during the year.

Mental Disease.	Admitted.			Discharged.			Died.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Brought Forward	12	24	36	7	1	8	2	10	12
Paranoia									
Psychoses from Constitutional Neuroses:—									
(a) Epileptic Psychoses		1	1						
(b) Hysterical Psychoses									
(c) Sexualis Psychopathia									
States of Deficient Mental Development:—									
(a) Imbecility		2	2						
(b) Idiocy									
Not Diagnosed		1	1	1		1			
Not Insane	2		2	2	1	3			
Total	14	28	42	10	2	12	2	10	12

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	3	3				
From 1 to 2 months	2	12	2			
" 2 " 3 "		1	1			
" 3 " 4 "		2	1			
" 4 " 5 "		19				
" 5 " 6 "	1	35				
" 6 " 9 "	1	85				1
" 9 " 12 "	2	19	3			
" 12 " 18 "	1	29				
" 18 months to 2 years	3		2			2
" 2 to 3 years	5	45				
" 3 " 4 "		105				1
" 4 " 5 "	3					6
" 5 " 10 "	4		1			2
" 10 " 15 "	5					
" 15 " 20 "	1					
" 20 years and upwards	3					
Unknown	8					
Total	42	355	10			12

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOMEWOOD SANITARIUM, GUELPH, FOR THE YEAR ENDING OCTOBER 31ST, 1909.

INSANE BRANCH.

TABLE No. 1.

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	50	50	100			
In Residence Dec. 31st, 1908	.....	.....	.....	17	27	44
Admitted during year 1909, Jan. 1st to Oct. 31st:						
By Warrant	.....	.....	.....			
By Medical Certificate	24	25	49	24	25	49
Total number under treatment during year, Jan. 1st to Oct. 31st	.....	.....	.....	41	52	93
Discharges during year:						
As recovered	8	2	10			
" improved	9	4	13			
" unimproved	1	5	6			
" not insane	.....	.....	.....			
Total number discharged during year	18	11	29			
Died	3	3	6			
Deported	.....	.....	.....			
Eloped	.....	.....	.....			
Transferred	6	4	10	27	18	45
Remaining in Hospital October 31st, 1909				14	34	48
Total number admitted since opening of Hospital	.....	.....	.....	310	305	615
Total number discharged since opening of Hospital	235	227	462			
Total number died since opening of Hospital	40	19	59			
Total number deported since opening of Hospital	.....	.....	.....			
Total number eloped since opening of Hospital	2	.....	2			
Total number transferred since opening of Hospital	19	25	44	296	271	567
Total remaining in Hospital Oct. 31st, 1909	.....	.....	.....	14	34	48

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOMEWOOD SANITARIUM, GUELPH, FOR THE YEAR ENDING OCTOBER 31ST, 1909.

VOLUNTARY BRANCH.

TABLE No. .

Showing movements of patients in the Hospital for the official year ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	50	50	100			
In Residence December 31st, 1908	.....	.....	.....	27	15	42
Admitted during year 1909, Jan. 1st to Oct. 31st:						
By Warrant	.....	.....	.....	.....	.....	.....
By Medical Certificate	95	46	141	95	46	141
Total number under treatment during year, Jan. 1st to Oct. 31st	.....	.....	.....	122	61	183
Discharges during year:						
As recovered	57	24	81			
" improved	23	10	33			
" unimproved	7	4	11			
" not insane	.....	.....	.....			
Total number discharged during year	87	38	125			
Died	1	.....	1			
Deported	.....	.....	.....			
Eloped	3	.....	3			
Transferred	3	1	4	94	39	133
Remaining in Hospital October 31st, 1909.				28	22	50
Total number admitted since opening of Hospital	.....	.....	.....	889	270	1,159
Total number discharged since opening of Hospital	819	233	1,052			
Total number died since opening of Hospital	21	6	27			
Total number deported since opening of Hospital	.....	.....	.....			
Total number eloped since opening of Hospital	16	1	17			
Total number transferred since opening of Hospital	5	8	13	861	248	1,109
Total remaining in Hospital October 31st, 1909	.....	.....	.....	28	22	50

PART II.

OF THE

FORTY-SECOND ANNUAL REPORT

OF THE

Inspectors of Prisons and Public Charities of the Province of Ontario

CONTAINING REPORT ON THE

Hospital for Idiots, Orillia

AND THE

Hospital for Epileptics, Woodstock

BEING FOR THE TEN MONTHS ENDING 31st OCTOBER

1909

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO

Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty

1910

Printed by
WILLIAM BRIGGS,
29-37 Richmond Street West,
TORONTO

Parliament Buildings,

Toronto, January 15th, 1910.

To the Honourable JOHN MORISON GIBSON, K.C., LL.D., etc., *Lieutenant-Governor of the Province of Ontario.*

May it Please Your Honour:

I beg to submit herewith the Forty-second Annual Report upon the Hospitals for the Idiotic and Epileptic, of Ontario, being for the ten months ending the 31st October, 1909.

I have the honor to be,

Your Honor's most obedient servant,

W. J. HANNA,

Provincial Secretary.

Office of the

Inspectors of Prisons and Public Charities, Ontario,

Parliament Buildings, Toronto, January 15th, 1910.

Sir,—We have the honor to transmit herewith, to be presented to His Honor the Lieutenant-Governor, the Forty-second Annual Report upon the Hospitals for the Idiotic and Epileptic of Ontario, being for the ten months ending 31st October, 1909.

We have the honor to be, Sir,

Your obedient servants,

C. R. W. Postlethwaite,

Edwin R. Rogers,

Inspectors.

The Honourable W. J. Hanna, M.P.P.,

Provincial Secretary of the Province of Ontario,

Toronto.

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REPORT OF C. R. W. POSTLETHWAITE AND E. R. ROGERS, INSPECTORS OF PRISONS AND PUBLIC CHARITIES FOR THE TEN MONTHS ENDING OCTOBER 31, 1909.

General Operations.

On the 31st of October, 1909, there were in the Hospitals for Idiots and Epileptics 907 patients, divided as follows:

Orillia.			Woodstock.		
Male.	Female.	Total.	Male.	Female.	Total.
392	394	786	70	51	121

The net increase in the population in both institutions for the year was 28.

Revenue.

The amount of revenue collected from paying patients for the ten months shows a most satisfactory increase, being $605.00 in excess of the revenue collected for the twelve months in 1908, as appears by the following statement:

From Paying Patients for 12 months, ending 31st December, 1908.....	$15,362 88
From Paying Patients for 10 months, ending 31st October, 1909.....	15,967 88
Increase for 1909	$ 605 00

The revenue derived from railway taxation, a portion of which might be properly credited to these two institutions, appears in the General Statement of Revenue submitted with the main Report dealing with Hospitals for the Insane.

Movements of Patients.

Table No. 1, submitted herewith, shows the movements of the entire population of the two hospitals during the ten months, ending 31st October, 1909.

Financial Statements.

Submitted herewith will be found Table No. 12, showing the expenditures incurred for the maintenance of the hospitals during the years 1908 and ten months, ending October 31st, 1909.

Table No. 13, showing expenditure on maintenance under the different headings of the Estimates for the ten months ending October 31st, 1909.

Table No. 14, showing the average number of patients and the per capita cost per day for consumption for the year 1908 and ten months, ending October 31, 1909.

C. R. W. Postlethwaite,

E. R. Rogers,

Inspectors of Prisons and Public Charities.

TABLE No. 1.

Showing movements of patients in the Hospital for the ten months ending October 31st, 1909.

	Orillia Hospital.			Woodstock Hospital.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	362	370	732	96	96	192	458	466	924
In Residence, Jan. 1st, 1909	389	387	776	59	44	103	448	431	879
Admitted during year 1908:									
By Warrant	7	1	8	.....	.....	.....	7	1	8
By Medical Certificate	22	27	49	27	15	42	49	42	91
Total number under treatment during year	418	415	833	86	59	145	504	474	978
Discharges during year:									
As recovered	.....	.....	.....	.....	.....	.....	.....	.....	.....
As improved	6	3	9	10	6	16	16	9	25
As unimproved	5	.....	5	4	1	5	9	1	10
As not insane	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total number discharged during year	11	3	14	13	6	19	24	9	33
Died	15	18	33	2	1	3	17	19	36
Deported	.....	.....	.....	1	1	2	1	1	2
Eloped	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transferred	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total number admitted since opening of Hospital	1,125	1,001	2,126	119	76	195	1,244	1,077	2,321
Total number discharged since opening of Hospital	120	71	191	40	19	59	160	90	250
Total number died since opening of Hospital	585	510	1,095	7	5	12	592	515	1,107
Total number deported since opening of Hospital	1	.....	1	1	1	2	2	1	3
Total number eloped since opening of Hospital	6	.....	6	.....	.....	.....	6	.....	6
Total number transferred since opening of Hospital	21	26	47	2	1	3	23	27	50
Total remaining in Hospital, October 31st, 1909	392	394	786	70	51	121	462	445	907
Number of applications on fyle	.....	.....	152	10	4	14	.....	.....	166
Daily average population.	390	386	776	64	48	112	454	434	888
Collective days' stay of all patients in residence during year	118,562	117,564	236,126	19,591	14,433	34,024	138,153	131,977	270,150

TABLE No. 2.

Showing the general movement and result of treatment of patients in the Hospital for Idiots, Orillia, during each of the thirty-one years from the 1st January, 1879, to the 31st October, 1909.

Year ending 31st December, 1908.	Average daily number of patients in residence.			Number patients admitted each year.			Number of patients discharged improved and unimproved each year.			Number of patients who died in each year.			Percentage of deaths upon number residents.			Number of patients remaining in Hospital at the end of each year.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Average five years— 1879 to 1883	87	84	171	18	16	34	2	1	3	6	7	13	6.25	7.69	6.95	96	91	187
Average five years— 1884 to 1888	122	109	231	18	18	36	2	2	4	10	7	17	8.13	6.19	7.20	123	113	236
Average five years— 1889 to 1893	221	183	404	42	36	78	2	2	4	12	16	28	5.55	8.33	6.87	216	192	408
Average five years— 1894 to 1898	322	264	586	44	38	82	4	4	8	24	23	47	7.28	8.52	7.84	330	270	600
1899	353	295	648	39	43	82	3	6	9	29	28	57	8.12	9.33	8.67	357	300	657
1900	351	300	651	45	26	71	4	5	9	41	24	65	11.48	8.08	9.94	357	297	654
1901	354	300	654	33	22	55	8	1	9	32	16	48	9.12	5.29	7.36	350	302	652
1902	349	307	656	29	28	57	9	1	10	22	16	38	6.36	5.11	5.76	346	313	659
1903	348	324	672	30	39	69	4	3	7	24	7	31	6.89	2.05	4.49	348	342	690
Average five years	351	305	656	35	32	67	6	3	9	30	18	48	8.40	5.97	7.25	352	311	663
1904	350	350	700	39	43	82	3	2	5	23	18	41	6.37	4.94	5.65	361	364	725
1905	368	368	736	46	35	81	6	2	8	29	26	55	7.79	7.03	7.41	372	370	742
1906	375	377	752	43	40	83	5	4	9	40	22	62	10.64	5.71	8.15	376	385	761
1907	380	390	770	35	31	66	7	3	10	21	19	40	5.48	4.85	5.16	383	392	775
1908	384	390	774	36	28	64	5	2	7	22	31	53	5.65	8.01	6.83	389	387	776
Average five years	369	375	744	40	35	75	5	3	8	27	23	50	7.19	6.11	6.64	376	378	754
*1909	390	386	776	29	28	57	11	3	14	15	18	33	3.84	4.66	4.26	392	394	786

* Ten months, ending October 31st, 1909.

TABLE No. 3.

Showing the general movement and result of treatment of patients in the Hospital for Epileptics, Woodstock, during each of the three years from the 1st April, 1906, to the 31st October, 1909.

Year ending 31st December, 1908.	Average daily number of patients in residence.			Number of patients admitted each year.			Number of patients recovered in each year.			Number of patients discharged improved and unimproved each year.			Number of patients who died in each year.			Percentage of recoveries upon admission.			Percentage of deaths upon number residents.			Number of patients remaining in Hospital at the end of each year.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
1906 (Nine months)....	18	14	32	32	26	58	0	0	0	5	5	10	1	2	3	.....	.....	.....	3.85	10.53	6.67	26	19	45
1907.....	32	26	58	30	22	52	1	0	1	13	3	16	2	2	4	3.33	.0	1.92	5.26	5.71	5.48	38	35	73
1908.....	45	40	85	30	13	43	0	2	2	7	2	9	2	0	2	.0	15.38	4.65	3.39	.0	1.94	59	44	103
*1909.....	64	48	112	27	15	42	0	0	0	14	7	21	2	1	3	.....	.....	.....	3.39	2.27	2.68	70	51	121

* Ten months, ending October 31st, 1909.

TABLE No. 4.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospitals.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.
Algoma District..	2	....	2	24	....	24	....	....	....	3	....	3	12	....	12
Brant	....	1	1	31	6	37	....	....	....	1	....	1	7	2	9
Bruce	2	....	2	63	1	64	....	....	....	9	....	9	22	1	23
Carleton	1	1	2	69	3	72	....	....	....	11	....	11	24	3	27
Dufferin	....	....	....	15	5	20	....	....	....	2	....	2	5	2	7
Dundas	....	....	....	13	1	14	....	....	....	4	....	4	5	....	5
Durham	2	1	3	35	1	36	....	....	....	....	....	....	9	....	9
Elgin	....	....	....	24	4	28	....	....	....	4	....	4	5	2	7
Essex	1	....	1	49	4	53	....	....	....	5	....	5	20	1	21
Frontenac	2	....	2	81	....	81	1	....	1	27	....	27	30	....	30
Glengarry	....	....	....	17	....	17	....	....	....	4	....	4	6	....	6
Grenville	....	....	....	24	....	24	....	....	....	....	....	....	3	....	3
Grey	4	....	4	78	2	80	2	....	2	16	....	16	20	1	21
Haldimand	....	1	1	27	1	28	....	....	....	3	....	3	6	1	7
Halton	....	....	....	23	2	25	....	....	....	3	....	3	6	1	7
Hastings	5	2	7	54	2	56	1	....	1	9	....	9	25	2	27
Huron	1	3	4	58	4	62	....	....	....	8	....	8	16	4	20
Kent	1	1	2	48	6	54	....	....	....	5	....	5	15	4	19
Lambton	....	....	....	45	5	50	....	....	....	7	....	7	20	3	23
Lanark	....	1	1	14	1	15	....	....	....	5	....	5	2	1	3
Leeds	....	....	....	24	....	24	....	....	....	9	....	9	6	....	6
Lennox and Addington	....	....	....	33	..	33	....	....	....	9	....	9	17	....	17
Lincoln	2	1	3	18	2	20	....	....	....	4	....	4	6	1	7
Middlesex	2	2	4	86	11	97	....	....	....	6	....	6	34	6	40
Muskoka District	....	....	....	35	..	35	....	....	....	3	....	3	12	....	12
Nipissing District	1	....	1	1	1	2	....	....	....	....	....	....	1	1	2
Norfolk	....	2	2	24	5	29	....	....	....	10	....	10	12	....	12
Northumberland..	....	....	....	29	..	29	....	....	....	8	....	8	10	....	10
Ontario	....	1	1	63	2	65	....	....	....	6	....	6	19	1	20
Oxford	3	3	6	55	18	73	....	....	....	8	....	8	24	9	33
Parry Sound District	3	....	3	3	....	3	....	....	....	....	....	....	9	....	9
Peel	3	....	3	32	....	32	1	....	1	6	....	6	15	....	15
Perth	1	1	2	38	4	42	....	....	....	8	....	8	11	2	13
Peterborough ...	2	....	2	33	3	36	2	....	2	6	....	6	14	2	16
Prescott	2	....	2	13	...	13	1	....	1	9	....	9	10	....	10
Prince Edward..	....	....	....	18	2	20	....	....	....	....	....	....	5	1	6
Rainy River District	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Renfrew	2	....	2	34	1	35	....	....	....	6	....	6	18	1	19
Russell	....	1	1	9	1	10	....	....	....	....	....	....	5	1	6
Simcoe	2	1	3	149	6	155	....	....	....	18	....	18	53	5	58
Stormont	1	....	1	18	3	21	....	....	....	11	....	11	5	3	8
Thunder Bay District	....	....	....	....	1	1	....	....	....	....	....	....	....	....	.....
Victoria	....	2	2	34	4	38	....	....	....	6	....	6	5	4	9
Waterloo	....	....	....	42	5	47	....	....	....	2	....	2	14	2	16
Welland	....	....	....	15	....	15	....	....	....	1	....	1	3	....	3
Wellington	....	1	1	39	5	44	....	....	....	4	....	4	10	4	14
Wentworth	4	5	9	102	16	118	....	....	....	11	....	11	45	11	56
York	8	10	18	357	55	412	....	....	....	28	....	28	161	36	197
Unascertained ...	....	1	1	30	2	32	....	....	....	4	....	4	4	2	6
Total	57	42	99	2,126	195	2,321	8	....	8	309	....	309	786	121	907

TABLE No. 5.

Periods.	Alleged duration of attack prior to admission.	Length of residence of those remaining in Hospitals on Dec. 31st, 1908.		Periods of treatment of those who were discharged recovered during the year.		Periods of treatment of those who were discharged improved during the year.		Periods of treatment of those who were discharged unimproved during the year.		Periods of treatment of those who died during the year.	
	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.	Orillia Hospital.	Woodstock Hospital.
Under 1 month		8	5					1	1	1	
From 1 to 2 months		8	5				1				
" 2 " 3 "		3	3				1		2		2
" 3 " 4 "		6	3				1			1	1
" 4 " 5 "		9	4				1	1		1	
" 5 " 6 "		4	5				1			2	
" 6 " 9 "		9	9				2	1		2	
" 9 " 12 "	1	13	11			1	2		1	1	
" 12 " 18 "	1	23	14				1			3	
" 18 months to 2 years	1	26	21				3			1	
" 2 to 3 years	2	48	20			2	4	1		4	
" 3 " 4 "	1	41	21							2	
" 4 " 5 "	1	48				1				1	
" 5 " 10 "	11	172				1				2	
" 10 " 15 "	6	146				3		1		5	
" 15 " 20 "	7	134				1				4	
" 20 years and upwards	11	88								3	
Totals	42	786	121			9	17	5	4	33	3

TABLE No. 6.

Showing the occupation of those admitted during the year and since the opening of the Hospitals.

Occupation.	Admitted this Year.			Since Opening.		
	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	.....	1	1	.....	3	3
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	.....	.....	.....	.....	5	5
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	.....	5	5	.....	19	19
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	.....	2	2	.....	10	10
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	.....	.....	.....	.....	7	7
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	1	1	.....	5	5
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc.	.....	.....	.....	.....	28	28
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	.....	.....	.....
Laborers	.....	8	8	.....	26	26
No Occupation	57	25	82	2,126	85	2,211
Unascertained	.....	.....	.....	.....	7	7
Total	57	42	99	2,126	195	2,321

TABLE No. 7.

Showing social state and religion of patients admitted during the year and since opening of Hospitals.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	51	37	88	1,221	1,051	2,272
Married	5	6	11	23	25	48
Widowed	.....	.....	.....	.....	1	1
Divorced	.....	.....	.....	.....	.....	.....
Separated	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....
Total	56	43	99	1,244	1,077	2,321
RELIGION.						
Baptists	1	2	3	51	43	94
Congregationalists	.....	.....	.....	2	3	5
Episcopalians	6	5	11	234	224	458
Methodists	17	16	33	321	285	606
Presbyterians	14	13	27	228	211	439
Roman Catholics	10	6	16	221	142	363
Other Denominations	7	1	8	73	55	128
Unascertained	1	.....	1	114	114	228
Total	56	43	99	1,244	1,077	2,321

TABLE No. 8.

Showing Nativity of Patients admitted during the year and since opening of Hospitals.

Nativity.	Admissions of Year.			Admissions since Opening.		
	Orillia Hospital.	Woodstock Hospital.	Total.	Orillia Hospital.	Woodstock Hospital.	Total.
Total Admissions	57	42	99	2,126	195	2,321
Total born in Canada	52	37	89	1,757	159	1,916
Armenia						
Assyria						
Austria				4		4
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	4	2	6	114	18	132
France						
Finland						
Galicia						
Germany				16		16
Greece						
Holland						
Hungary						
Ireland	1	1	2	91	5	96
Italy						
Japan						
Macedonia						
Other British Possessions				5		5
Norway						
Roumania						
Russia					1	1
Scotland		2	2	48	6	54
South America						
Spain						
Sweden				4		4
Turkey						
United States				30	6	36
West Indies						
Unascertained				57		57
Total	57	42	99	2,126	195	2,321

TABLE No. 9.

Showing the number of officers and employees in each and all of the Hospitals, classified according to the duties performed.

Occupation.	Orillia Hospital.	Woodstock Hospital.	Total.
Medical Superintendents	1	1	2
Associate Physicians	1	.....	1
Bursars	1	1	2
Stenographers	1	1	2
Storekeepers	1	.....	1
Matrons	1	1	2
Assistant Matrons	1	.....	1
Cooks	3	4	7
Laundresses	3	1	4
Housemaids	9	2	11
Seamstresses	3	.....	3
Bakers	1	.....	1
Tailors	1	.....	1
Laundryman	1	.....	1
Engineer and Assistants	2	1	3
Stokers	3	1	4
Bricklayers and Masons	1	.....	1
Carpenters	1	1	2
Painters	1	.....	1
Farmers	1	1	2
Farmers' Assistants	3	3	6
Gardeners	1	1	2
Chief Attendants (males)	1	1	2
Supervisors (males)	2	.....	2
Attendants (males)	18	8	26
Attendants (females)	12	9	21
Teachers	3	.....	3
Total	77	37	114

TABLE No. 10.

Deaths in Hospitals.

Hospital.	No. of deaths.	Daily average population.	Percentage of deaths to daily average population.
Orillia	33	776	4.26
Woodstock	3	112	2.68
Total	36	888	4.06

TABLE No. 11.

Statement of revenue from paying patients and from farm and miscellaneous revenue for ten months, ending October 31st, 1909.

Hospital.	No. of paying patients.	From paying patients.	From farm and Miscellaneous.	Totals.
Orillia	121	$7,276 99	$728 66	$8,005 65
Woodstock	93	8,680 89	539 65	9,220 54
Total	214	$15,967 88	$1,268 31	$17,226 19

TABLE No. 12.

Hospital Expenditure.

The following table shows the expenditure incurred for the maintenance of the Hospitals during the year 1908 and the ten months ending October 31st, 1909:

Hospital.	Expended, 1908.	Expended, 10 months, ending Oct. 31st, 1909.
Orillia	$81,329 79	$68,057 11
Woodstock	25,626 82	24,525 27

TABLE No. 13.

Showing the expenditure on maintenance under the different headings of the estimates for ten months, ending October 31st, 1909.

Headings of Estimates.	Orillia Hospital.	Woodstock Hospital.
Medicines	$381 65	$260 45
Groceries	23,433 52	5,235 28
Heat and Light	7,457 98	3,745 17
Clothing	5,382 47	378 72
Laundry	1,869 20	370 67
Repairs	2,909 63	532 27
Office	390 71	231 92
Farm	2,480 28	960 40
Miscellaneous	980 50	1,621 33
Total expenses	$45,285 94	$13,336 21
Salaries	$22,771 17	$11,189 06
Grand Total	$68,057 11	$24,525 27

Notes on Per Capita Statement.

Attached hereto is a statement of the cost of maintenance per patient per day for the ten months ending October 31st, 1909, in the ten hospitals mentioned, as compared with the year 1908, being based on actual consumption.

It follows out the order of the sub-divisions of appropriations voted by the Legislature, and is calculated to two places of decimals of a cent. The figures in black-faced type represent totals.

Invoices for all purchases, properly certified by the Bursar and the Storekeeper, as to accuracy and receipt of goods, are checked in the Department before being submitted to the Treasury for payment.

A system of Daily Requisitions for all supplies, such as provisions, is carried out and these requisitions are forwarded to the Department semi-weekly. In case of coal, the amount consumed on each shift is weighed and weekly report of consumption made by the engineer.

Under headings "Provisions" and "Clothing" is shown only consumption by patients—the value of such supplies to officers, attendants, nurses and employees being included in the account "Employees' Meals and Uniforms" under the heading "Salaries."

Quarterly inventories of stock are taken at each Institution, and are checked with the ledger accounts of the Department.

Returns are made of all products of the Farm and Garden, as received, charges being made against the cost of maintenance, and the Farm and Garden given credit for the same; for this purpose a uniform price list is in use for all Institutions, regardless of size or fertility of farm. At the end of the year the value per patient per day of such products—fruits, vegetables, feed and fodder, meat and eggs—is deducted from the gross per capita cost and appears in the statement as "Farm Recoveries."

The net per capita cost per day in each institution during 1909 showed a decrease on that of 1908.

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Cobourg.		Hamilton.	
	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
Average number of patients	676.81	678.19	145.26	144.98	1135.80	1108.63
MEDICINES	.44	.41	.32	.28	.29	.23
Medicines and Medical comforts	.44	.41	.32	.28	.29	.23
PROVISIONS	12.86	12.72	10.04	10.17	12.04	12.73
Breakfast Foods and Cereals	.44	.51	.35	.36	.32	.28
Butter	1.78	1.68	1.12	1.23	1.85	2.05
Coffee	.06	.06	.06	.06	.12	.12
Eggs	.48	.47	.03	.06	.20	.12
Flour, Bread, etc	1.77	2.13	1.60	2.02	1.61	2.04
Fruit and Vegetables—Fresh	.58	.34	.38	.49	.75	.72
" " Canned and Dried	.42	.52	.42	.10	.36	.37
Milk	1.29	1.06	1.52	1.52	1.27	1.20
Potatoes	1.02	.85	.42	.59	.58	.60
Salt, etc	.05	.06	.03	.03	.06	.07
Sugar and Syrup	.76	.68	.68	.36	.71	.68
Tea	.35	.35	.34	.41	.22	.21
Unenumerated Groceries	.42	.47	.46	.29	.38	.88
Butchers' Meat	3.15	3.20	2.53	2.37	3.05	2.83
Fish and Fowl	.29	.34	.10	.28	.56	.56
HEATING AND LIGHTING	5.86	5.74	4.81	5.91	5.07	5.93
Coal and Wood	4.75	4.52	3.86	4.97	4.06	4.88
Electricity	.....	.....	.95	.94	.78	.79
Gas	1.08	1.19	.....	.....	.22	.22
Oil, etc	.03	.03	.....	.....	.01	.04
CLOTHING	1.66	2.14	1.45	.94	1.21	1.20
Clothing—Dry Goods	1.27	1.62	1.37	.75	.93	.98
Boots and Shoes	.39	.52	.08	.19	.28	.22
LAUNDRY AND CLEANING	.59	.64	.54	.70	.75	.60
Brushes, Brooms and Mops	.14	.11	.06	.05	.14	.08
Miscellaneous Expenses	.12	.17	.05	.15	.09	.16
Soap	.33	.36	.43	.50	.52	.36
REPAIRS AND REPLACEMENTS	1.68	2.17	1.06	1.36	1.41	1.96
Furn. and Furn.	1.45	1.54	.70	.29	1.01	1.39
Miscellaneous Items	.02	.....	.03	.04	.01	.04
Plant	.21	.63	.33	1.03	.39	.53
OFFICE EXPENSES	.36	.36	.45	.50	.28	.26
Miscellaneous Office Expenses	.21	.21	.17	.24	.19	.16
Postage	.08	.09	.09	.07	.04	.06
Telephoning and Tel.	.07	.06	.19	.19	.05	.04
SALARIES	16.44	15.74	23.53	24.65	15.58	14.99
Supt. and Physicians	1.89	2.03	4.19	4.95	1.65	1.64
Bursar and Assistants	1.36	1.32	2.75	2.60	1.04	1.08
Matron and Assistants	1.96	2.04	4.87	4.75	1.90	1.91
Engineer and Assistants	1.07	.92	2.94	2.92	.91	.90
Artisans, not Domestic	.72	.71	.57	.59	.55	.52
Farm and Garden	.88	.83	.75	1.10	.94	.77
Teachers	.....	.....	.....	.....	.....	.....
Attendants—Male	2.86	2.82	.....	.....	3.17	2.89
" Female	2.32	2.07	4.06	4.02	1.84	1.79
Employees' Meals and Uniforms	3.23	2.92	3.29	3.14	3.49	3.44
Employees' Other Allowances	.15	.08	.16	.58	.09	.05

No. 14.

per Day for the Ten Months ending October 31st, 1909.

Kingston.		London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year
583.55	591.81	1075.00	1061.56	583.95	594.34	776.77	774.81	354.82	310.24	857.70	837.57	110 53	84.07
.58	.60	.26	.22	.50	.46	.16	.12	.26	.47	.40	.39	.77	1.20
.58	.60	.26	.22	.50	.46	.16	.12	.26	.47	.40	.39	.77	1.20
12.27	14.75	12.06	12.81	11.56	13.91	9.41	9.78	11.45	12.67	16.64	16.49	14.18	14.70
.38	.40	.38	.42	.43	.57	.16	.18	.31	.30	.41	.50	.45	.50
1.79	2.01	1.81	2.04	2.61	3.28	2.29	2.45	1.80	1.85	2.41	2.74	3.27	3.64
.08	.30	.16	.20	.03	.07	.08	.07	.33	.35	.03	.01	.16	.19
.64	.79	.20	.21	.32	.45	.06	.04	.06	.10	.58	.52	.16	.21
1.62	2.36	1.63	2.16	1.84	1.92	1.91	2.28	1.88	2.12	1.67	2.00	1.67	1.60
.44	.72	.86	.86	.64	.55	.36	.28	.38	.51	.51	.63	1.14	.77
.21	.21	.25	.31	.24	.29	.14	.10	.35	.50	.58	.71	.73	.82
1.25	1.28	1.14	1.10	1.00	1.22	1.00	.77	.88	.81	1.59	1.28	2.55	2.04
.76	.80	.61	.78	.32	.39	.33	.45	.37	.48	.70	.64	.61	.66
.05	.07	.07	.07	.07	.06	.04	.04	.05	.05	.08	.13	.04	.10
.68	.95	.86	.71	.72	1.04	.41	.42	.63	.61	.87	.85	.95	1.08
.28	.35	.34	.38	.34	.49	.16	.15	.29	.32	.43	.45	.31	.25
1.19	.81	.98	.69	.80	.80	.27	.44	.56	.65	.93	.62	.27	.57
2.54	3.09	2.56	2.59	1.78	2.17	2.19	2.07	3.10	3.69	5.06	4.51	1.09	1.64
.36	.61	.21	.29	.42	.61	.01	.04	.46	.33	.79	.90	.78	.63
4.35	8.25	5.19	4.92	4.93	5.06	2.87	3.39	4.53	6.03	5.21	6.32	9.70	10.97
4.29	8.18	4.06	3.72	4.78	4.96	2.61	3.16	3.56	4.50	4.13	4.98	8.16	9.18
.....	.....	.....	.....	.....	.....	.25	.22	.93	1.47	.44	.56	1.52	1.76
.....	.....	1.07	1.16	.....	.....	.....	.....	.....	.....	.60	.75	.....	.....
.06	.07	.06	.04	.15	.10	.01	.01	.04	.06	.04	.03	.02	.03
2.02	2.27	1.90	1.82	1.42	1.68	1.94	1.99	2.66	3.56	1.04	1.02	.40	1.28
1.61	1.85	1.56	1.30	1.13	1.33	1.52	1.61	2.28	2.95	.80	.82	.25	1.14
.41	.42	.34	.52	.29	.35	.42	.38	.38	.61	.24	.20	.15	.14
.92	.93	.86	.84	.76	.81	.70	.81	.61	.79	.86	.89	1.10	1.29
.16	.18	.16	.14	.15	.13	.12	.16	.14	.14	.14	.12	.15	.22
.31	.24	.20	.23	.17	.24	.12	.18	.13	.36	.17	.22	.30	.56
.45	.51	.50	.47	.44	.44	.46	.47	.34	.29	.55	.55	.65	.51
2.58	3.14	2.26	2.88	2.02	2.13	1.25	1.10	1.94	3.09	1.89	1.95	1.61	2.00
1.95	1.85	1.69	2.23	1.48	1.44	.74	.71	1.27	2.33	1.54	1.35	.95	1.23
.02	.06	.03	.03	.02	.06	.02	.01	.06	.03	.01	.02	.02	.10
.61	1.23	.54	.62	.52	.63	.49	.38	.61	.73	.34	.58	.64	.67
.53	.67	.34	.34	.39	.41	.15	.16	.28	.46	.32	39	.69	.97
.31	.46	.21	.21	.20	.22	.08	.08	.12	.22	.22	.28	.42	.60
.13	.13	.06	.06	.08	.08	.04	.05	.06	.08	.05	.06	.13	.19
.09	.08	.07	.07	.11	.11	.03	.03	.10	.16	.05	.05	.14	.18
22.22	22.05	18.12	17.36	21.72	19.10	11.88	11.26	21.48	23.66	18.31	18.05	40.71	47.39
2.67	2.48	1.63	1.70	2.51	2.43	1.34	1.44	2.86	3.40	1.97	2.40	6.95	9.10
1.53	1.48	1.09	1.05	1.27	1.37	1.01	.94	1.75	1.92	1.29	1.18	4.31	4.97
2.63	2.67	1.99	1.85	2.09	2.14	1.89	1.83	2.57	1.77	2.57	2.55	4.99	5.97
1.26	1.51	1.13	.99	1.89	1.68	.85	.86	1.48	1.68	.75	.71	2.22	2.92
1.21	1.16	.78	.75	.49	.46	.51	.51	1.40	1.59	.93	.90	1.49	1.95
1.07	1.12	1.07	1.05	1.45	1.39	.63	.62	2.01	2.29	.62	.42	4.76	6.34
.....	.....	.....	.....	.....	.....	.41	.08	.....	.....	.....	.....	.....	.....
5.25	4.88	3.70	3.49	4.58	3.87	1.97	1.89	3.11	3.93	4.09	4.02	5.47	5.44
2.65	2.58	2.49	2.31	2.25	2.00	1.04	.96	2.00	2.09	2.82	2.79	3.11	2.81
3.82	4.07	4.20	4.14	4.93	3.59	2.12	2.00	3.97	4.61	3.25	3.08	7.29	7.87
.13	.10	.04	.03	.26	.17	.11	.13	.33	.38	.02	.....	.12	.02

TABLE

Comparative Statement of Average Maintenance Cost per Capita

	Brockville.		Cobourg.		Hamilton.	
	This Year.	Last Year.	This Year.	Last Year.	This Year	Last Year.
Average number of patients	676.81	678.19	145.26	144.98	1135.80	1108.63
FARM AND GARDEN	2.27	2.37	.22	.18	2.69	3.06
Feed and Fodder	1.66	1.77	.....	.01	2.23	2.20
Miscellaneous Farm Expenses	.55	.57	.14	.07	.26	.71
Seeds, etc	.06	.03	.08	.10	.20	.15
MISCELLANEOUS	1.45	1.33	1.86	1.87	1.75	1.69
Amusements, Religion, Education	.11	.15	.....	.04	.07	.08
Elopers, Cost of Recovery	.02	.02	.....	.....	.....	.01
Freight, Duties, etc	.05	.06	.08	.07	.06	.03
Ice	.18	.10	.24	.17	.38	.27
Incidental Expenses	.19	.13	.28	.46	.20	.16
Officers' Travelling Expenses	.09	.06	.05	.06	.06	.03
Power	.....	.....	.....	.....	.....	.....
Water	.81	.81	1.21	1.07	.98	1.11
Brush Industry	.....	.....	.....	.....	.....	.....
Gross per Capita Cost	43.61	43.62	44.33	46.56	41.07	42.65
Less Farm Recoveries	3.65	2.53	.63	.41	5.25	3.95
Net per Capita Cost	39.96	41.09	43.70	46.15	35.82	38.70

No. 14.—*Concluded.*

per day for the Ten Months ending October 31st, 1909.—*Concluded.*

Kingston.		London.		Mimico.		Orillia.		Penetang.		Toronto.		Woodstock.	
This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.	This Year.	Last Year.
583.55	591.81	1075.00	1061.56	583.95	594.34	776.77	774.81	354.82	310.24	857 70	837.57	110.53	84.07
2.99	4.60	2.26	2.57	3.88	3.01	.93	1.43	2.70	4.93	2.12	2.33	6.99	8.72
2.10	3.38	1.56	1.55	2.54	2.12	.67	.87	2.11	4.02	1.83	1.82	5.11	7.37
.58	1.04	.48	.77	1.04	.73	.24	.54	.39	.56	.25	.47	1.06	1.08
.31	.18	.22	.25	.30	.16	.02	.02	.20	.35	.04	.04	.82	.27
.69	.72	.43	.34	.57	.53	.53	.54	1.29	1.54	1.21	1.69	4.20	6.25
.22	.27	.14	.12	.19	.25	.07	.13	.02	.03	.19	.29	.32	.10
.06	.02	.03	.02	.....	.....	.....	.....	.01	.01	.02	.....	.01	.....
.15	.19	.05	.05	.10	.09	.06	.05	.16	.23	.02	.01	.08	.12
.....	.....	.....	.02	.17	.14	.03	.03	.....	.....	.15	.17	.....	.....
.17	.16	.18	.10	.10	.04	.09	.10	.16	.19	.13	.05	.03	.21
.03	.08	.03	.03	.01	.01	.02	.01	.01	.02	.02	.02	.04	.....
.....	.....	.....	.....	.....	.....	.13	.11	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.13	.11	.93	1.06	.68	1.15	3.72	5.82
.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
49.15	57.98	43.68	44.10	47.75	47.10	29.82	30.58	47.20	57.20	48.00	49.52	80.35	94.77
4.53	4.35	5.65	5.32	6.32	4.32	2.50	2.29	3.41	4.58	2.3	2.00	13.37	13.13
44.62	53.63	38.03	38.78	41.43	42.78	27.32	28.29	43.79	52.62	45.69	47.52	66.98	81.64

APPENDIX

TO FORTY-SECOND ANNUAL REPORT UPON THE HOSPITALS FOR THE INSANE, CONTAINING THE ANNUAL REPORTS OF THE MEDICAL SUPERINTENDENTS OF THE HOSPITAL FOR IDIOTS, ORILLIA, AND THE HOSPITAL FOR EPILEPTICS, WOODSTOCK.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR IDIOTS, ORILLIA, FOR THE YEAR ENDING OCT. 31st, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the ten months ending Oct. 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	362	370	732			
In Residence, Dec. 31st, 1908	.....	.....	.....	389	387	776
Admitted during year 1909						
By Warrant	7	1	8			
By Medical Certificate	22	27	49	29	28	57
Total number under treatment during year	.....	.....	.....	418	415	833
Discharges during year:—						
As recovered	.....	.....	.....			
As improved	6	3	9			
As unimproved	5	... . .	5			
As not insane	.....	. .....	.....			
Total number discharged during year	11	3	14			
Died	15	18	33			
Deported	.....	.....	.....			
Eloped	.....	.....	.....			
Transferred	.....	.....	.....	26	21	47
Remaining in Hospital, Oct. 31st, 1909	.....	.....	.....	392	394	786
Total number admitted since opening of Hospital	.....	.....	.....	1,125	1,001	2,126
Total number discharged since opening of Hospital	120	71	191			
Total number died since opening of Hospital	585	510	1,095			
Total number deported since opening of Hospital	1	.....	1			
Total number eloped since opening of Hospital	6	.....	6			
Total number transferred since opening of Hospital	21	26	47	733	607	1,340
Total remaining in Hospital, Oct. 31st, 1909	733	607	1,340	392	394	786
Daily average population	390	386	$776^{2\frac{3}{5}}$			
Collective days' stay of all patients in residence during year	118,562	117,564	236,126			
Number of applications on fyle	.....	.....	152			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	29	28	57	1,122	991	2,113
Married	.....	.....	.....	3	9	12
Widowed	.....	.....	.....	.....	1	1
Divorced	.....	.....	.....	.....	.....	.....
Separated	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....
Total	.....	.....	.....	1,125	1,001	2,126
RELIGION.						
Baptists	.....	1	1	43	36	79
Congregationalists	.....	.....	.....	2	3	5
Episcopalians	1	2	3	200	206	406
Methodists	7	11	18	291	263	554
Presbyterians	5	9	14	199	194	393
Roman Catholics	8	4	12	214	139	353
Other Denominations	7	1	8	66	51	117
Unascertained	1	.....	1	110	109	219
Total	29	28	57	1,125	1,001	2,126

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	29	28	57	1,125	1,001	2,126
Total born in Canada	27	25	52	926	831	1,757
Armenia						
Assyria						
Austria				3	1	4
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	2	2	4	57	57	114
France						
Finland						
Galicia						
Germany				10	6	16
Greece						
Holland						
Hungary						
Ireland		1	1	49	42	91
Italy						
Japan						
Macedonia						
Other British Possessions				3	2	5
Norway						
Roumania						
Russia						
Scotland				27	21	48
South America						
Spain						
Sweden				2	2	4
Turkey						
United States				18	12	30
West Indies						
Unascertained				30	27	57
Total	29	28	57	1,125	1,001	2,126

TABLE No. 4.

Showing the Occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	.....	.....	.....	.....	.....	.....
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	.....	.....	.....	.....	.....	.....
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	.....	.....	.....	.....	.....	.....
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	.....	.....	.....	.....	.....	.....
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	.....	.....	.....	.....	.....	.....
Domestic Service: Waiters, Cooks, Servants, etc.:	.....	.....	.....	.....	.....	.....
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc.	.....	.....	.....	.....	.....	.....
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	.....	.....	.....
Laborers	.....	.....	.....	.....	.....	.....
No Occupation	29	28	57	1,125	1,001	2,126
Unascertained	.....	.....	.....	.....	.....	.....
Total	29	28	57	1,125	1,001	2,126

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District	....	2	2	12	12	24	....	....	....	1	2	3	5	7	12
Brant	....	....	....	15	16	31	....	....	....	1	....	1	3	4	7
Bruce	....	2	2	32	31	63	....	....	....	5	4	9	11	11	22
Carleton	....	1	1	38	31	69	....	....	....	6	5	11	11	13	24
Dufferin	....	....	....	7	8	15	....	....	....	....	2	2	4	1	5
Dundas	....	....	....	10	3	13	....	....	....	3	1	4	3	2	5
Durham	1	1	2	15	20	35	....	....	....	....	....	....	3	6	9
Elgin	....	....	....	10	14	24	....	....	....	....	4	4	2	3	5
Essex	....	1	1	29	20	49	....	....	....	2	3	5	12	8	20
Frontenac	1	1	2	44	37	81	1	....	1	14	13	27	21	9	30
Glengarry	....	....	....	12	5	17	....	....	....	4	....	4	5	1	6
Grenville	....	....	....	14	10	24	....	....	....	....	....	....	1	2	3
Grey	3	1	4	43	35	78	2	....	2	11	5	16	10	10	20
Haldimand	....	....	....	19	8	27	....	....	....	3	....	3	3	3	6
Halton	....	....	....	12	11	23	....	....	....	1	2	3	1	5	6
Hastings	4	1	5	24	30	54	1	....	1	4	5	9	14	11	25
Huron	....	1	1	32	26	58	....	....	....	5	3	8	8	8	16
Kent	....	1	1	22	26	48	....	....	....	2	3	5	7	8	15
Lambton	....	....	....	26	19	45	....	....	....	3	4	7	12	8	20
Lanark	....	....	....	9	5	14	....	....	....	4	1	5	1	1	2
Leeds	....	....	....	14	10	24	....	....	....	6	3	9	4	2	6
Lennox and Addington	....	....	....	19	14	33	....	....	....	2	7	9	10	7	17
Lincoln	1	1	2	11	7	18	....	....	....	2	2	4	4	2	6
Middlesex	2	....	2	55	31	86	....	....	....	5	1	6	26	8	34
Muskoka District	....	....	....	17	18	35	....	....	....	2	1	3	6	6	12
Nipissing District	....	1	1	....	1	1	....	....	....	....	....	....	....	1	1
Norfolk	....	....	....	10	14	24	....	....	....	5	5	10	4	8	12
Northumberland	....	....	....	12	17	29	....	....	....	5	3	8	6	4	10
Ontario	....	....	....	36	27	63	....	....	....	5	1	6	9	10	19
Oxford	....	3	3	26	29	55	....	....	....	7	1	8	10	14	24
Parry Sound District	2	1	3	2	1	3	....	....	....	....	....	....	3	6	9
Peel	2	1	3	10	22	32	1	....	1	3	3	6	5	10	15
Perth	....	1	1	16	22	38	....	....	....	6	2	8	4	7	11
Peterborough	1	1	2	12	21	33	1	1	2	2	4	6	5	9	14
Prescott	1	1	2	9	4	13	1	....	1	7	2	9	8	2	10
Prince Edward	....	....	....	8	10	18	....	....	....	....	....	....	4	1	5
Rainy River District	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Renfrew	1	1	2	16	18	34	....	....	....	1	5	6	8	10	18
Russell	....	....	....	4	5	9	....	....	....	....	....	....	....	5	5
Simcoe	2	....	2	81	68	149	....	....	....	11	7	18	19	34	53
Stormont	....	1	1	11	7	18	....	....	....	11	....	11	2	3	5
Thunder Bay District	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Victoria	....	....	....	21	13	34	....	....	....	5	1	6	2	3	5
Waterloo	....	....	....	22	20	42	....	....	....	2	....	2	7	7	14
Welland	....	....	....	7	8	15	....	....	....	....	1	1	1	2	3
Wellington	....	....	....	25	14	39	....	....	....	2	2	4	4	6	10
Wentworth	4	....	4	54	48	102	....	....	....	3	8	11	23	22	45
York	4	4	8	186	171	357	....	....	....	17	11	28	79	82	161
Unascertained	....	....	....	16	14	30	....	....	....	2	2	4	2	2	4
Total	29	28	57	1,125	1,001	2,126	7	1	8	180	129	309	392	394	786

TABLE No. 6.

Showing the assigned causes of Insanity in the cases admitted during the year.

Causes.	Men.	Women.	Total.	Inherited Predisposition.			Unascertained.
				Men.	Women.	Total.	
Moral:—							
Adverse Conditions (such as loss of friends, business troubles, etc.)	.....	.....	.....	.....	.....	.....	.....
Mental Strain, Worry and Overwork (not included in above.)	.....	.....	.....	.....	.....	.....	.....
Religious Excitement	.....	.....	.....	.....	.....	.....	.....
Love affairs, including seduction	.....	.....	.....	.....	.....	.....	.....
Fright and Nervous Shock	.....	.....	.....	.....	.....	.....	.....
Physical:—							
Alcoholism	.....	.....	.....	.....	.....	.....	.....
Sexual Excess	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	.....	.....	.....	.....	.....	.....	.....
Masturbation	.....	.....	.....	.....	.....	.....	.....
Insolation	.....	.....	.....	.....	.....	.....	.....
Accident or Injury	.....	.....	.....	.....	.....	.....	.....
Pregnancy	.....	.....	.....	.....	.....	.....	.....
Parturition and Puerperium	.....	.....	.....	.....	.....	.....	.....
Lactation	.....	.....	.....	.....	.....	.....	.....
Climacteric Period	.....	.....	.....	.....	.....	.....	.....
Fevers	.....	.....	.....	.....	.....	.....	.....
Privation and Overwork	.....	.....	.....	.....	.....	.....	.....
Epilepsy	.....	.....	.....	.....	.....	.....	.....
Other Convulsive Diseases	.....	.....	.....	.....	.....	.....	.....
Diseases of Brain and Skull	.....	.....	.....	.....	.....	.....	.....
Senility	.....	.....	.....	.....	.....	.....	.....
Exophthalmic Goitre	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	.....	.....	.....	.....	.....	.....	.....
Abuse of Drugs	.....	.....	.....	.....	.....	.....	.....
Loss of Special Sense	.....	.....	.....	.....	.....	.....	.....
Uræmia	.....	.....	.....	.....	.....	.....	.....
Other Auto-infection	.....	.....	.....	.....	.....	.....	.....
Other Bodily Diseases	.....	.....	.....	.....	.....	.....	.....
Hereditary:—							
Congenital Defect	.....	.....	.....	.....	.....	.....	.....
Unascertained	.....	.....	.....	.....	.....	.....	.....
Not Insane	29	28	57	.....	.....	.....	.....
Total	29	28	57	.....	.....	.....	.....

TABLE No. 7.

Showing hereditary tendency to Insanity in patients admitted during the year and since the opening of the Hospital.

	Admitted during Year.		
	Male.	Female.	Total.
Paternal Branch	5	6	11
Maternal Branch	1	3	4
Paternal and Maternal Branches	10	4	14
Collateral Branches	2	.....	2
No Hereditary Tendency	6	7	13
Unascertained	5	8	13
Totals	29	28	57

TABLE No. 8.

Showing summary of discharges and deaths during the year.

	Male.	Female.	Total.
Number Granted Discharge	11	3	14
Discharged, Recovered	.....	.....	.....
Discharged, Improved	6	3	9
Discharged, Unimproved	5	.....	5
Died	15	18	33
Returned to Hospital	.....	.....	.....
Absent on Probation on Oct. 31st, 1909	.....	.....	.....

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Special Infectious Diseases:—						
Typhoid Fever				17	15	32
Influenza				2	7	9
Cerebro-spinal Meningitis				3	9	12
Diphtheria				1		1
Erysipelas				3	2	5
Septicæmia				4	2	6
Dysentery		1	1	11	9	20
Syphilis				3		3
Tuberculosis	3	4	7	143	144	287
Constitutional Diseases:—						
Rheumatism				1		1
Arthritis Deformans				1		1
Diabetes Mellitus				2		2
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils					1	1
Œsophagus				1	2	3
Diseases of the Intestines:—						
Diseases of the Liver				9	5	14
Diseases of the Pancreas				2	1	3
Diseases of the Peritoneum	1		1	29	17	46
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx				2	2	4
Diseases of the Bronchi	1		1	11	8	19
Diseases of the Lungs	5	1	6	30	29	59
Diseases of the Pleura				7	1	8
Diseases of the Circulatory System:—						
Diseases of the Pericardium				2	1	3
Diseases of the Heart		1	1	37	37	74
Arterio-sclerosis					1	1
Aneurism						
Diseases of the Blood and Ductless Glands:—						
Anæmia	1	1	2	5	7	12
Pernicious Anemia		1	1	4	6	10
Leukæmia					2	2
Exophthalmic Goitre						
Diseases of the Genito-Urinary System		2	2	12	6	18
Total—*Carried Forward*	11	11	22	342	314	656

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total—*Brought Forward*	11	11	22	342	314	656
Diseases of the Nervous System:—						
Diseases of the Nerves	.....	.....	.....	5	6	11
Diseases of the Spinal Cord	.....	1	1	.....	5	5
Diseases of the Meninges	.....	1	1	2	6	8
Organic Diseases of the Brain (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions).....	1	1	2	12	12	24
Functional Nervous Diseases (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	.....	.....	.....	1	3	4
Epilepsy	2	3	5	75	68	143
Mental Diseases:—						
Exhaustion of Acute Mental Disease	.....	.....	.....	.....	1	1
Exhaustion of Chronic Mental Disease	.....	.....	.....	.....	.....	.....
General Paresis	.....	1	1	53	37	90
Intoxications:—						
Alcoholism	.....	.....	.....	.....	.....	.....
Morphinism	.....	.....	.....	.....	.....	.....
Metallic Poisoning	.....	.....	.....	.....	.....	.....
Heat Stroke	.....	.....	.....	.....	1	1
Debility of Old Age	.....	.....	.....	75	45	120
Accident	1	.....	1	5	2	7
Suicide	.....	.....	.....	.....	.....	.....
Surgical Diseases	.....	.....	.....	13	8	21
Gynæcological Diseases	.....	.....	.....	.....	.....	.....
Malignant New Growths, or Cancer...	.....	.....	.....	2	2	4
Totals.....	15	18	33	585	510	1,095

TABLE No. 11.

Periods.	Alleged duration of insanity prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Periods of treatment of those who died during the year.
Under 1 month	.....	8	.....	.....	1	1
From 1 to 2 months	.....	8	.....	.....	.....	.....
" 2 " 3 "	.....	3	.....	.....	.....	.....
" 3 " 4 "	.....	6	.....	.....	.....	1
" 4 " 5 "	.....	9	.....	.....	1	1
" 5 " 6 "	.....	4	.....	.....	.....	2
" 6 " 9 "	.....	9	.....	.....	1	2
" 9 " 12 "	.....	13	.....	1	.....	1
" 12 " 18 "	.....	23	.....	.....	.....	3
" 18 months to 2 years	.....	26	.....	.....	.....	1
" 2 to 3 years	.....	48	.....	2	1	4
" 3 " 4 "	.....	41	.....	.....	.....	2
" 4 " 5 "	.....	48	.....	1	.....	1
" 5 " 10 "	.....	172	.....	1	.....	2
" 10 " 15 "	.....	146	.....	3	1	5
" 15 " 20 "	.....	134	.....	1	.....	4
" 20 years and upwards	.....	88	.....	.....	.....	3
Totals	.....	786	.....	9	5	33

HOSPITAL FOR EPILEPTICS, WOODSTOCK, ONTARIO.

ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT FOR TEN MONTHS FROM JANUARY 1, 1909, TO OCTOBER 31, 1909.

To C. R. W. POSTLETHWAITE, ESQ., AND EDWIN R. ROGERS, ESQ.,
Inspectors of Hospitals for the Insane, Idiotic and Epileptics.

SIRS,—I have the honor to submit to you the fourth annual report of the Hospital for Epileptics for the ten months ending October 31, 1909.

We had remaining in residence, January 1, 1909, 103 patients. We admitted during the ten months, 27 males and 15 females. Total number under treatment for ten months, 145; total number discharged, 21; discharged improved, 18; discharged unimproved, 3; number who died during the ten months, 3; total number who left the Institution, 24; remaining in residence, October 31, 1909, 121. Total number of applications sent out, 84; applications sent out by request but not returned, 31; applications rejected, 5; number of vacancies granted but patients not received, 9.

DEATHS.

We had three deaths during the ten months, one female and two males, the former dying of Status Epilepticus and the latter two of paralysis.

IMPROVEMENTS.

A great deal has been accomplished during the ten months in permanent improvements. Some of the main improvements are as follows:

A new barn has been built on the last farm purchased, size 45 x 80, with cement foundations and hip roof, and good stable accommodation beneath.

Additions have been built to each of the first two cottages erected. Size of each addition 15 x13: these are built so as to allow an outdoor entrance from kitchen and passage way to the cellar.

A hennery has been completed to hold 150 hens.

The exterior of the Administration Building has been painted. The greenhouse and gardener's cottage have been completed.

We built during the year 7,436 feet cement wall, 3,600 feet cement floor, and 1,300 feet cement walks.

The above work has been done by the carpenter and his staff with the assistance of some day laborers and is all very satisfactory.

A large space of ground has been levelled and seeded, and the garden put in good condition. The gravel-pit at the low end of the garden was filled in and levelled, and will next year be utilized for garden purposes.

There were 172 rods of wire fence built and 4,500 three and four inch tile laid.

Besides these, a great many other improvements have been made, all of which have added materially to the usefulness and general appearance of the Institution.

The gardener with his staff has done a lot of work on the lawns, garden and greenhouse during the summer. The lawns have been well fitted up, flower beds laid out, greenhouse stocked with plants and driveways improved. The gardener has set out a large number of currant and raspberry bushes, and 1,400 strawberry plants, and a number of others. He has kept the Institution well supplied with small vegetables, etc., during the year.

Our farm yield was as follows: Wheat, 650 bushels; oats, 1,700 bushels; barley, 350 bushels; potatoes, 450 bushels; hay, 32 tons; corn, 60 tons; besides a quantity of turnips, mangels, etc. There are 22 acres in fall wheat, 55 acres seeded and 80 acres fall ploughed.

Ice Supply.

We were able to get the ice supply from our own pond, and sold about one hundred dollars worth to the city, and in future years hope to have a much larger revenue from this source.

Improvements in Patients.

We have been able to get some good results during the past as the following table will show, and these are but a few of the results obtained, as many of the patients have shown decided improvement both in the lessening in number, and also in severity of attacks, and their mental faculties have brightened. These results give us encouragement in the work, and we are daily endeavoring to control this, one of the greatest of maladies, and also one of the hardest to baffle.

H. K.—Age on admission, 12; duration of epilepsy prior to admission, one year; character of attacks, Jacksonian; mental state, fair; frequency of attacks on admission, three to six per night; length of time under treatment at the Hospital, fourteen months; number of attacks since admission, eleven; length of time free from attacks up to October 31, 1909, five months; mental state now good.

R. W.—Age on admission, 11; duration of epilepsy prior to admission, one year; character of attacks, grand mal; mental state, feebleminded; frequency of attacks on admission, one per day; length of time under treatment at the Hospital, fourteen months; number of attacks since admission, three; length of time free from attacks up to October 31, 1909, one year; mental state now good.

C. A.—Age on admission, 42; duration of epilepsy prior to admission, one year; character of attacks, Jacksonian; mental state fair; frequency of attacks on admission, one per week; length of time under treatment at the Hospital, two years, three months; number of attacks since admission, three; length of time free from attacks up to October 31, 1909, one year, seven months; mental state now good.

M. C.—Age on admission 26; duration of epilepsy prior to admission, eleven years; character of attacks, grand mal; mental state, feebleminded; frequency of attacks on admission, three to four per week; length of time under treatment at the Hospital, one year, four months; number of attacks since admission, four; length of time free from attacks up to October 31, 1909, fourteen months; mental state now fair.

T. S.—Age on admission, 45; duration of epilepsy prior to admission, twenty-seven years; character of attacks grand mal; mental state feebleminded; frequency of attacks on admission, one per week; length of time under treatment at the Hospital, three years and six months; number of attacks since admission, six; length of time free from attacks up to October 31, 1909, fifteen months; mental state now fair.

A. R.—Age on admission 27; duration of epilepsy prior to admission, one year; character of attacks, petit mal and grand mal; mental state fair; frequency

of attacks on admission, three per day; length of time under treatment at the Hospital, six months; number of attacks since admission, one; length of time free from attacks up to October 31, 1909, five months; mental state now fair.

R. G.—Age on admission, 18; duration of epilepsy prior to admission, eight months; character of attacks, grand mal; mental state, fair; frequency of attacks on admission, one per month; length of time under treatment at the Hospital, one year, eight months; number of attacks since admission, two; length of time free from attacks up to October 31, 1909, 14 months; mental state now good.

F. G.—Age on admission, 65; duration of epilepsy prior to admission, six years; character of attacks, grand mal; mental state, feebleminded; frequency of attacks on admission, one in two months; length of time under treatment at the Hospital, one year, five months; number of attacks since admission, two; length of time free from attacks up to October 31, 1909, seven months and then had one; eight months and then had one; mental state now fair.

J. M.—Age on admission, 68; duration of epilepsy prior to admission, fifteen years; character of attacks, grand mal; mental state, feebleminded; frequency of attacks on admission, one per week; length of time under treatment at the Hospital, two years, two months; number of attacks since admission, nine; length of time free from attacks up to October 31, 1909, eight months; mental state now fair.

H. S.—Age on admission, 47; duration of epilepsy prior to admission, forty-six years; character of attacks, grand mal and petit mal; mental state, fair; frequency of attacks on admission, two per week; length of time under treatment at the Hospital, one year, ten months; number of attacks since admission, fifteen; length of time free from attacks up to October 31, 1909, eight months; mental state now fair.

M. T.—Age on admission, 35; duration of epilepsy prior to admission, three years; character of attacks, grand mal; mental state, fair; frequency of attacks on admission, one per month; length of time under treatment at the Hospital, two years, six months; number of attacks since admission, eight; length of time free from attacks up to October 31, 1909, fifteen months; mental state now good.

E. E.—Age on admission, 37; duration of epilepsy prior to admission, thirty-three years; character of attacks, grand mal; mental state, fair; frequency of attacks on admission, one per week; length of time under treatment at the Hospital, three years; number of attacks since admission, twelve; length of time free from attacks up to October 31, 1909, six months; mental state now fair.

A. B.—Age on admission, 26; duration of epilepsy prior to admission, thirteen years; character of attacks, Jacksonian; mental state, fair; frequency of attacks on admission, one in two weeks; length of time under treatment at the Hospital, one year, five months; number of attacks since admission, three; length of time free from attacks up to October 31, 1909, eight months; mental state now fair.

E. M.—Age on admission, 40; duration of epilepsy prior to admission, twenty-six years; character of attacks, grand mal; mental state, fair; frequency of attacks, five to six per month; length of time under treatment at the Hospital, one year,

ten months; number of attacks since admission, one; length of time free from attacks up to October 31, 1909, twenty months; mental state now good.

A. B.—Age on admission, 48; duration of epilepsy prior to admission, twelve years; character of attacks, grand mal; mental state, feebleminded; frequency of attacks on admission, one each night; length of time under treatment at the Hospital, three years, five months; number of attacks since admission, none; length of time free from attacks up to October 31, 1909, three years, five months; mental state now fair.

J. G.—Age on admission, 11; duration of epilepsy prior to admission, two years; character of attacks, Jacksonian; mental state, feebleminded; frequency of attacks on admission, one per month; length of time under treatment, two years, one month; number of attacks since admission, ten; length of time free from attacks up to October 31, 1909, one year, ten months; mental state now fair.

Entertainments and Religious Services.

The entertainments and religious services have been well attended, and to the clergymen we are very thankful for the sacrifices made in so promptly attending on their appointed Sabbath to take the service. Their efforts have been very much appreciated.

Changes in the Staff.

Miss Elliott, Matron, retired from the Service, January 15, 1909, and was succeeded by Miss Budd, who came to us from Orillia. She is taking a deep interest in the Institution, and is carrying on her work in a very capable and satisfactory manner.

Conclusion.

In concluding this, my fourth annual report, I desire to thank you for your able assistance and valuable advice in all matters pertaining to the welfare of the Hospital.

I have the honour to remain,

Sirs,

Your obedient servant,

J. J. Williams,

Medical Superintendent.

ANNUAL STATISTICAL REPORT OF THE OPERATIONS OF THE HOSPITAL FOR EPILEPTICS, WOODSTOCK, FOR THE YEAR ENDING OCT. 31ST, 1909.

TABLE No. 1.

Showing movements of patients in the Hospital for the ten months ending October 31st, 1909.

	Male.	Female.	Total.	Male.	Female.	Total.
Capacity of Hospital	96	96	192			
In Residence, Dec. 31st, 1908				59	44	103
Admitted during year 1908:—						
By Warrant						
By Medical Certificate	27	15	42	27	15	42
Total number under treatment during year				86	59	145
Discharges during year:—						
As recovered						
As improved	10	7	17			
As unimproved	4		4			
As not insane						
Total number discharged during year	14	7	21	(including deports)		
Died	2	1	3			
Deported	(1	1	2)			
Eloped						
Transferred				16	8	24
Remaining in Hospital, Oct. 31st, 1909				70	51	121
Total number admitted since opening of Hospital						
Total number discharged since opening of Hospital	39	18	57			
Total number died since opening of Hospital	7	5	12			
Total number deported since opening of Hospital	1	1	2			
Total number eloped since opening of Hospital						
Total number transferred since opening of Hospital	2	1	3	49	25	74
Total remaining in Hospital, Oct. 31st, 1909				70	51	121
Daily average population	64.44	47.48	111.92			
Collective days' stay of all patients in residence during year	19,591	14,433	34,024			
Number of applications on fyle	10	4	14			

TABLE No. 2.

Showing social state and religion of patients admitted during the year and since opening of Hospital.

	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
SOCIAL STATE.						
Single	22	9	31	99	61	160
Married	5	6	11	20	15	35
Widowed						
Divorced						
Separated						
Unascertained						
Totals	27	15	42	119	76	195
RELIGION.						
Baptists	1	1	2	8	7	15
Congregationalists						
Episcopalians	5	3	8	34	18	52
Methodists	10	5	15	30	22	52
Presbyterians	9	4	13	29	17	46
Roman Catholics	2	2	4	7	3	10
Other Denominations				7	4	11
Unascertained, "Protestant"				4	5	9
Totals	27	15	42	119	76	195

TABLE No. 3.

Showing nativity of patients admitted during the year and since opening of Hospital.

Nativity.	Admissions of Year.			Admissions since opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total Admissions	27	15	42	119	76	195
Total born in Canada	24	13	37	96	63	159
Armenia						
Assyria						
Austria						
Australia						
Belgium						
Bulgaria						
Central America						
China						
Denmark						
England	2		2	11	7	18
France						
Finland						
Galicia						
Germany						
Greece						
Holland						
Hungary						
Ireland		1	1	3	2	5
Italy						
Japan						
Macedonia						
Other British Possessions						
Norway						
Roumania						
Russia					1	1
Scotland	1	1	2	3	3	6
South America						
Spain						
Sweden						
Turkey						
United States				6		6
West Indies						
Unascertained						
Totals	27	15	42	119	76	195

TABLE No. 4.

Showing the occupation of those admitted during the year and since the opening of the Hospital.

Occupation.	Admitted this Year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Professional:— Clergy, Military and Naval Officers, Physicians, Lawyers, Architects, Artists, Authors, Civil Engineers, Surveyors, etc.	1	.....	1	3	.....	3
Commercial:— Bankers, Merchants, Accountants, Clerks, Salesmen, Stenographers, Typewriters, etc.	.....	.....	.....	5	.....	5
Agricultural and Pastoral:— Farmers, Gardeners, Stock Men, etc.	5	.....	5	19	.....	19
Mechanics at Outdoor Vocations:— Railway and Stationary Engineers, Blacksmiths, Carpenters, Engine Fitters, Sawyers, Painters, Police, etc.	2	.....	2	10	.....	10
Mechanics, etc., at Sedentary Vocations:— Shoemakers, Bookbinders, Compositors, Weavers, Tailors, Seamstresses, Bakers, Factory Workers, etc.	.....	.....	.....	2	5	7
Domestic Service:— Waiters, Cooks, Servants, etc.	.....	1	1	.....	5	5
Education and Higher Domestic Duties:— Governesses, Teachers, Students, Housekeepers, Nurses, etc.	.....	.....	.....	2	26	28
Miners, Marine Engineers, Railway Employees, Seamen, etc.	.....	.....	.....	.....	.....	.....
Laborers	8	.....	8	26	.....	26
No Occupation	11	14	25	45	40	85
Unascertained	.....	.....	.....	7	.....	7
Totals	27	15	42	119	76	195

TABLE No. 5.

Showing the Counties and Districts from which patients have been admitted during the year, and since opening of Hospital.

Counties and Districts.	Admitted during year.			Admitted since opening.			Warrant cases.						Remaining in residence.		
							Admitted during year.			Admitted since opening.					
	Male.	Female.	Total	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Algoma District															
Brant	1		1	3	3	6							1	1	2
Bruce					1	1								1	1
Carleton	1		1	1	2	3							1	2	3
Dufferin				2	3	5								2	2
Dundas				1		1									
Durham	1		1	1		1									
Elgin				1	3	4								2	2
Essex				2	2	4								1	1
Frontenac															
Glengarry															
Grenville															
Grey				1	1	2								1	1
Haldimand	1		1	1		1							1		1
Halton				2		2							1		1
Hastings	1	1	2	1	1	2							1	1	2
Huron	3		3	4		4							4		4
Kent	1		1	4	2	6							2	2	4
Lambton				1	4	5							1	2	3
Lanark	1		1	1		1							1		1
Leeds															
Lennox and Addington															
Lincoln	1		1	2		2							1		1
Middlesex	1	1	2	10	1	11							5	1	6
Muskoka District															
Nipissing District				1		1							1		1
Norfolk	1	1	2	4	1	5									
Northumberland															
Ontario	1		1	1	1	2							1		1
Oxford	1	2	3	10	8	18							4	5	9
Parry Sound District															
Peel															
Perth	1		1	4		4							2		2
Peterborough				1	2	3								2	2
Prescott															
Prince Edward				1	1	2								1	1
Rainy River District															
Renfrew				1		1							1		1
Russell		1	1		1	1								1	1
Simcoe		1	1	2	4	6							1	4	5
Stormont				2	1	3							2	1	3
Thunder Bay District				1		1							1		1
Victoria	1	1	2	2	2	4							2	2	4
Waterloo				4	1	5							1	1	2
Welland															
Wellington	1		1	2	3	5							2	2	4
Wentworth	4	1	5	10	6	16							7	4	11
York	4	6	10	33	22	55							24	12	36
Unascertained	1		1	2		2							2		2
Totals	27	15	42	119	76	195							70	51	121

TABLE No. 6.

Showing the assigned causes of Epilepsy in the cases admitted during year.

Causes.	Men.	Women	Total.	Inherited Predisposition.			Un-ascertained.
				Men.	Women.	Total.	
Moral:—							
Adverse Conditions (such as loss of friends, business troubles, etc.)							
Mental Strain, Worry and Overwork (not included in above)							
Religious Excitement							
Love Affairs, including seduction							
Fright and Nervous Shock	1		1				
Physical:—							
Alcoholism	1		1				
Sexual Excess							
Venereal Diseases							
Masturbation							
Insolation							
Accident or Injury	7	1	8				
Pregnancy							
Parturition and Puerperium		1	1				
Lactation							
Climacteric Period		2	2				
Fevers		1	1				
Privation and Overwork		1	1				
Epilepsy							
Other Convulsive Diseases							
Diseases of Brain and Skull							
Senility							
Exophthalmic Goitre							
Epidemic Influenza							
Abuse of Drugs							
Lose of Special Sense							
Uræmia							
Other Auto-infection							
Other Bodily Diseases	1		1				
Hereditary:—							
Congenital Defect	2		2				
Unascertained	15	9	24				
Not Insane							
Totals	27	15	42				

TABLE No. 7.

Showing hereditary tendency to Epilepsy in patients admitted during the year and since the opening of the Hospital.

	Admitted during Year.			Since opening.		
	Male.	Female.	Total.	Male	Female.	Total.
Paternal Branch	1	2	3	8	4	12
Maternal Branch	3	1	4	10	7	17
Paternal and Maternal Branches	.....	.....	.....	1	2	3
Collateral Branches	1	1	2	1	1	2
No Hereditary Tendency	22	11	33	99	62	161
Unascertained	.....	.....	.....	.....	.....	.....
Totals	27	15	42	119	76	195

TABLE No. 8.

Showing summary of probational discharges during the year.

	Male.	Female.	Total.
Number Granted Discharge (Probation)	10	5	15
Discharged, Recovered	.....	.....	.....
Discharged, Improved	3	.....	3
Discharged, Unimproved	1	.....	1
Died	.....	.....	.....
Returned to Hospital	5	5	10
Absent on Probation	1	....	1
	10	5	15

TABLE No. 9.

Showing the causes of death of patients who died during the year and since the opening of the hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Specific Infectious Diseases:—						
Typhoid Fever						
Influenza						
Cerebro-spinal Meningitis						
Diphtheria						
Erysipelas						
Septicæmia						
Dysentery						
Syphilis						
Tuberculosis				1		1
Constitutional Diseases:—						
Rheumatism						
Arthritis Deformans						
Diabetes Mellitus						
Diseases of the Digestive System:—						
Mouth, salivary glands						
Pharynx						
Tonsils						
Œsophagus (Stomach)					1	1
Diseases of the Intestines:—						
Diseases of the Liver						
Diseases of the Pancreas						
Diseases of the Peritoneum						
Diseases of the Respiratory System:—						
Diseases of the Nose and Larynx						
Diseases of the Bronchi						
Diseases of the Lungs				3	2	5
Diseases of the Pleura						
Diseases of the Circulatory System:—						
Diseases of the Pericardium						
Diseases of the Heart						
Arterio-sclerosis						
Aneurism						
Diseases of the Blood and Ductless Glands:—						
Anæmia					1	1
Pernicious Anæmia						
Leukæmia						
Exophthalmic Goitre						
Diseases of the Genito-Urinary System						
Totals—*Carried Forward*				4	4	8

TABLE No. 9—*Continued.*

Showing the causes of death of patients who died during the year and since the opening of the hospital.

Cause of Death.	Died during year.			Since Opening.		
	Male.	Female.	Total.	Male.	Female.	Total.
Total—*Brought Forward*				4	4	8
Diseases of the Nervous System:—						
Diseases of the Nerves						
Diseases of the Spinal Cord						
Diseases of the Meninges						
Organic Diseases of the Brain (Tumor, Abscess, Embolism, Thrombosis, Hæmorrhage, and other gross lesions)				1		1
Functional Nervous Diseases (Paralysis Agitans, Chorea, Eclampsia, Hysteria)	2		2	2		2
Epilepsy		1	1		1	1
Mental Diseases:—						
Exhaustion of Acute Mental Disease						
Exhaustion of Chronic Mental Disease						
General Paresis						
Intoxications:—						
Alcoholism						
Morphinism						
Metallic Poisoning						
Heat Stroke						
Debility of Old Age						
Accident						
Suicide						
Surgical Diseases						
Gynæcological Diseases						
Malignant New Growths, or Cancer						
Totals	2	1	3	7	5	12

TABLE No. 11.

Periods.	Alleged duration of epilepsy prior to admission.	Length of residence of those remaining in Hospital on Oct. 31st, 1909.	Periods of treatment of those who were discharged recovered during the year.	Periods of treatment of those who were discharged improved during the year.	Periods of treatment of those who were discharged unimproved during the year.	Period of treatment of those who died during the year.
Under 1 month	.....	5	.....	.....	1	.....
From 1 to 2 months	.....	5	.....	1	.....	.....
" 2 " 3 "	.....	3	.....	1	2	2
" 3 " 4 "	.....	3	.....	1	.....	1
" 4 " 5 "	.....	4	.....	1	.....	.....
" 5 " 6 "	.....	5	.....	1	.....	.....
" 6 " 9 "	.....	9	.....	2	.....	.....
" 9 " 12 "	1	11	.....	2	1	.....
" 12 " 18 "	1	14	.....	1	.....	.....
" 18 months to 2 years	1	21	.....	3	.....	.....
" 2 to 3 years	2	20	.....	4	.....	.....
" 3 " 4 "	1	21	.....	.....	.....	.....
" 4 " 5 "	1	.....	.....	.....	.....	.....
" 5 " 10 "	11	.....	.....	.....	.....	.....
" 10 " 15 "	6	.....	.....	.....	.....	.....
" 15 " 20 "	7	.....	.....	.....	.....	.....
" 20 years and upwards	11	.....	.....	.....	.....	.....
Totals	42	121	.....	17	4	3

FOURTH REPORT

OF THE

Feeble-Minded in Ontario

1909

BY

Dr. HELEN MacMURCHY

TORONTO

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FOURTH REPORT

OF THE

FEEBLE-MINDED IN ONTARIO

1909.

To The Hon. W. J. Hanna,
Provincial Secretary.

Sir,—I have the honour to present the Fourth Report on the Care of the Feeble-minded in this Province, being for the year 1909.

The Report for the year 1908 appears to have aroused a larger share of public interest and attention than any previous Report on the same subject. Not only at the time of its presentation to the House, but during the whole year, both in the Province and in other parts of Canada, as well as in the United States and Great Britain, references have been made to it from time to time by those interested, and also in the Press and in official documents.

British Experts Visit Ontario.

Several workers for the feeble-minded in England, prominent among whom was Miss Mary Dendy, a member of the School Board of Manchester, and the founder of the Sandlebridge Schools for the Feeble-minded, visited Canada in June, 1909. Miss Dendy was invited to lecture before the Women's Canadian Club of Toronto, on which occasion a large and interested audience listened closely to her account of work for the feeble-minded in England. She also presented an illustrated lecture on "Types of Feeble-mindedness" before a crowded meeting of the International Council of Women in the University of Toronto, and we have been informed that on that occasion a large supply of the Third Report of this Department on the feeble-minded of the Province of Ontario, presented at the request of the International Council's Committee on Literature, was immediately exhausted, and many who wished to obtain copies were disappointed.

Action of the Board of Education, Toronto.

At the request of Mr. Rawlinson, Chairman of the Board of Education of Toronto for 1909, I visited with Miss Dendy a number of the Public Schools of the City of Toronto. The Chairman had suggested that we should see

(1) A school in one of the poorest districts of the City;
(2) One in a district of average conditions;
(3) A school in one of the best districts.

This we did, and, at the invitation of the Chairman, Miss Dendy addressed the Board at their regular meeting on the evening of June 18th, in the Council Chamber of the City and County Municipal Building at Toronto.

Miss Dendy's Report to the Board of Education.

Miss Dendy spoke as follows:—

"Gentlemen,—I have to-day, in compliance with the suggestion made to me, visited three of your schools, containing I believe about 1,800 children. Dr. MacMurchy accompanied me, so that a skilled medical opinion might be given on any cases that appeared to me to be defective. The results of a somewhat hurried enquiry are interesting as confirming the general opinion that amongst *all* school children (excepting those who are Jews) one per cent., or rather more, will be found to be defective. Personally, I believe that when those are added whose defect is so severe, or so combined with bodily weakness, as to prevent their attending school, about two per cent. will be found of these unfortunate children. We will take the Jewish children first; of the eighteen hundred children in the schools visited five hundred are Jews, and amongst these we found only two defectives. They were both severe cases. This agrees with what has been found to be the case elsewhere. The Jews have very few mental defectives.

Amongst the thirteen hundred other children we found eleven cases in school. Two severe cases were reported as being away from school at the time of our visit.

In the third school we visited the children were dismissed before we had seen them all. Some few cases, also were noted by the teachers as being abnormally dull, but there was no time to examine them. Of the two Jewish children one was a boy; of the eleven other children eight were boys; also the two severe cases away from school were boys.

It is improbable that any of these children will be able to earn their own living when they grow up. The worst case is that of a strong well-grown lad of fifteen.

Since more minute enquiry into the condition of children has been made in England, it has frequently been found that in cities where it was asserted there were no defective children, the usual percentage has been forthcoming. It varies somewhat in different localities, being usually greater in the country than in the towns.

In England it is reckoned that there are one hundred thousand defective persons uncertified, in addition to one hundred and ten thousand certified. It is certain, notwithstanding the careful enquiries made under the direction of the Royal Commission, that not nearly all defectives are yet discovered and reported."

Mary Dendy.

The above report is a joint one, both on account of the suggestion of the Chairman of the Board, and also because, as Miss Dendy explained, such work cannot be done without the assistance of a medical expert.

I found all the children above described defective mentally, but so far as my present experience guides me, I do not think that we have in Ontario as great a proportion as one per cent. of the school population defective mentally. It will be some time before we are in a position to form an accurate judgment on that and on other matters closely related thereto. We need first the enforcement of compulsory school attendance and of laws in regard to truancy. And we greatly need a census of the school population of the Province.

Immediate attention was given by the Board to Miss Dendy's address. Mr. James Simpson spoke briefly, stating that he had for some time been intending to urge action in this matter, and that he would now move that the teachers in each school be requested to report to their Principals the number of children under their care who were, in their opinion, apparently defective mentally. This

motion was seconded, and the Board passed it unanimously. The matter afterwards came before the School Management Committee, and it is understood that the return has been received and will be dealt with, under the direction of Dr. Charles Sheard, Medical Health Officer of the City of Toronto, early in 1910, and that a report will probably be presented to the Board of Education at an early date. Mr. James Simpson, Chairman of the Board of Education for 1910, also took occasion to mention this matter in his inaugural address as Chairman.

An Expert from Germany.

Among other delegates to the International Council who took a special interest in the welfare of the feeble-minded, was Dr. Tiburtius, of Berlin, Germany, who contributed a paper to the proceedings of the Council in the course of which extended reference was made to practical and sympathetic methods of examining feeble-minded children.

The United States. Co-operation and Interest Shown in Ontario Reports.

From the United States requests have come to this Department to prepare papers or addresses, or to take part in discussions on the following occasions:—

First National Conference on Infantile Mortality, held at Yale University, New Haven, under the auspices of the American Academy of Medicine, November, 1909.

Sixth Annual Conference on Backward, Truant and Delinquent Children, held at Buffalo, June, 1909.

Thirty-sixth National Conference of Charities and Correction, held at Buffalo, June, 1909.

Further reference will be made to these, but it should here be said that these opportunities have been of great value because they have made it possible to keep in touch with recent work, to acquire information, and to establish and maintain mutually helpful and sympathetic relations with other workers, especially those who have shown themselves capable of enlightened and progressive views, and who have successfully carried out plans and policies founded on such views.

The Conference on Infant Mortality devoted one session to the consideration of the welfare of children who cannot safely be reared by the mother. The one reason accepted for this, and it was referred to repeatedly by the experts who advised the Conference, was the feeble-mindedness of the mother. The problem of how to prevent such feeble-minded women becoming mothers was briefly but decidedly referred to by the Conference, the universal opinion being that custodial care for them was such a necessity that it admits of little or no argument.

Frequent communications have been received from workers in the United States of America about our work here, and requests have been numerous for copies of the three previous reports on the feeble-minded. For example, from the Russell Sage Foundation, from Clark University, from the Child Conference for Research and Welfare, and from Professor Earl Barnes, of Philadelphia, these communications have come.

Professor Barnes says in part:

"Your Third Report on the Feeble-minded in Ontario is one of the most admirable documents on the subject that I have seen in a long time. It must prove a strong working argument for the cause."

Attitude of the People of Ontario.

The press, as well as the people of Ontario, are evidently watching the course of events in regard to the care of the Feeble-minded in this Province, as frequent references in print and in conversation and in public gatherings show.

Tenth Canadian Conference of Charities and Correction.

At the Canadian Conference of Charities and Correction, held in Toronto on October 19th, 20th, and 21st, almost every speaker, whether his or her sphere of labour was a prison, a house of refuge, an hospital or a charitable institution, referred to the question of the Feeble-minded, the necessity for taking care of them, and the serious consequences, yearly becoming more serious, of delay in dealing with the problem. The final meeting of this conference was a joint session with the North York Teachers' Association, and at this meeting the subject of Backward Children gave rise to an important discussion, several teachers and others referring to the fact that Feeble-minded children, though not numerous, were sometimes found in the schools.

The Kingston Press.

The editor of *Church Life,* Kingston, in commenting on certain notorious criminal cases, writes as follows:—

"The morals of the people are suffering in some localities, judging by the Robinson and Beaverstock cases. What can be expected, however, from weak-minded persons? They should be in some public institution, the wards of the government, and so protected from abuses and society from hereditary taints. These later cases are strong evidence for the annual appeal to the local government, evidence that will be simply irresistible in its quality. The heart sickens when it is realized that there are people so lost to all the decencies of life that their relations are more brutal than human."

Nor are these the only cases where crimes, either against the Feeble-minded, or done by the Feeble-minded at the bidding of the vicious and depraved, have been entered on the criminal calendar of Ontario. Every district of the country can show similar cases. But these cases were horrible, and the people of Ontario have not forgotten them.

The Social and Moral Reform League.

The Social and Moral Reform League, and the clergy of the Anglican, Presbyterian and Methodist Churches have again expressed themselves on this subject.

The Toronto *Evening News* says in this connection:—

"In acknowledging Mr. Hanna's enthusiastic attitude towards the care of the Feeble-minded, Rev. Dr. Chown pays the Provincial Secretary a well deserved tribute. The problem of safe-guarding these unfortunates is a difficult one, and it deserves the serious attention of the municipalities, as well as of the Government."

The Brantford Expositor.

The Brantford *Expositor* devoted its leading article in one issue to this subject, and quoted largely from the report which it endorsed and supported.

The Toronto Globe.

The Toronto *Globe* has also given great attention to the subject and says, editorially, that the report "must always be read with mixed feelings. The primary one must be that of profound pity for those who come into the world with a confused, defective brain, living in a mental and moral twilight, yet unfortunately not experiencing that kindness and consideration which their stricken condition should naturally excite. It is a disgrace that everywhere they are the butts of the community, the sport of the children, and sometimes, alas, the victims of adult viciousness. Until comparatively recently the conscience of the community was not as tender to the claims of these defective creatures as it ought to be. They are seen harried and tantalized on the streets, and no one feels it to be a duty to put a stop to the painful spectacle.

There is a side of it, also, of still greater moment. It is well recognized now that such weaklings leave an offspring often illegitimate and similarly defective or useless. The exercise of some care over the lives of these strays for a generation would undoubtedly greatly reduce their number, and looked at merely as a piece of economy would overwhelmingly justify itself. Hon. Mr. Hanna has, during his term of office, studied the problem, and is circumspectly moving towards a firmer and more comprehensive dealing with it."

Further on in the same article the remark is made that "there can be no satisfactory handling of the evil until the treatment and instruction begin at a much earlier period in life."

Finally, the editor deals with the key to the whole problem as follows:—

"In this connection the difficult problem of the backward child in the ordinary classes of the public schools deserves attention. The backward child not only makes little or no progress itself, but the attention which it demands tends to detract from the progress of the normal children in the class. The remedy is, of course, special classes for the defective children. The defects which these children manifest cannot, of course, be removed by education, and the segregation of them at school is only a preliminary step to caring for life for those who, it is found, cannot stand alone. It is a fundamentally important question, and it is satisfactory to find that the Provincial Secretary is seized of the fact and has set his mind on endeavouring to find some solution."

Official References to Reports of this Department.

Further evidence that the Third Report was useful is to be found in the fact that the Report of the Standing Committee on Defectives, presented at the Thirty-sixth Annual Meeting of the American National Conference of Charities and Correction, by the Chairman, Superintendent J. M. Murdoch, of the State Institution for the Feeble-minded of Western Pennsylvania, quoted rather largely from it. Superintendent Murdoch had previously written a courteous communication to this Department requesting permission to do so, and expressing a high opinion of the Report.

The Third Report has also enabled the Department to secure copies of many similar reports and other documents relating to the Feeble-minded, published in Great Britain, the United States and elsewhere.

Institutions Where the Feeble-minded are Cared For.

The Industrial Refuge at Toronto continues its excellent work for the Feeble-minded, and even improves on it. The Matron, Miss Rankin, whose unusual

powers of organization and leadership are here employed to the great benefit of her large household, and to whom I am indebted for much of the following information, has under her care at present about seventy women, whose ages vary from fourteen to ninety, all of whom, except ten of twelve permanent and mostly aged inmates, are feeble-minded.

One woman referred to in the Third Report as a confirmed mendicant, whose children were being neglected and taught to beg, continues to do a little work ("enough to save herself") and looks clean and respectable.

Another girl referred to in the Third Report was employed, on our last visit, dusting a room and polishing the floor, with evident interest and relish, "enjoying her job," like President Roosevelt. When spoken to kindly she dodged behind the door, quite shy with happiness.

E. P. looks well, and is as good and affectionate as ever.

A. A. during the year made one bad mistake. A man in the neighbourhood, whose morals were not of the best, hung round the wall, threw over notes, put up ladders, and otherwise tempted the girls until finally three of them ran away, and in this escapade A. A. was concerned. This incident illustrates the need, not only of police supervision, but of high walls for such an institution, and a site removed from any doubtful or too easily accessible neighbourhood. The three girls were sent to the Mercer to serve a term. A. A. has been a good girl since and works hard.

The most encouraging thing about these inmates is their happy industry. Montaigne says that the most certain sign of wisdom is a continual cheerfulness. Taken as it is doubtless meant, for the average worker at the average day's work, and not as applying to specially serious and significant occasions, such as the great changes and tragedies of life, this saying is doubtless true. And it may be applied to the condition of the Feeble-minded here. When we see them wearing not the vacant smile of idiocy, but the quiet smile of contentment, when we see them industrious and see the work of their hands really good useful remunerative work, when we see that these things and the understanding, knowledge, and kindness with which they are treated have their vindication and their reward in the cheerfulness of those who are the subjects of our care, then we may read a new meaning into Montaigne's words, and say that the most certain sign of the wisdom of those who rule and bestow care is in the continual cheerfulness of those on whom the care is bestowed.

A. A. was almost gay and pathetically confident of demeanour, and so proud of having been a good girl ever since the last time. She called after us with a mixture of affection and pride in her voice, "Why don't you come to see us oftener? You don't come half often enough." What a contrast to the neglected feeble-minded girl—useless, cowed, afraid, disgraced, broken-spirited, fallen—no place for her anywhere—taken advantage of by everyone so disposed! She and her children, who never should have been born, wandering back and forth along the hard way of the transgressor from one Maternity Hospital, Orphanage, Shelter, Haven, Workhouse, Prison to another—costing the community double or treble (or perhaps a hundred times, who knows?) what she would if made happy and safe working for herself before she had fallen, or when she had not fallen often, in a place like this.

Mrs. A. P., one of the difficult cases, has made great progress in the year. As mentioned in the Third Report she is the feeble-minded wife of a feeble-minded husband. But she has actually made a place for herself, and is quite an important person in the Refuge, though she was a lamentable failure outside. She possesses

in a marked degree the virtue of early rising, and when she is given something to do as part of the daily routine, that work is always faithfully done (more than we can say of all mentally sound people!). She can be trusted with a good deal. As for the feeble-minded husband, she invariably refers to him by the proud title of "The Baby's Pa," and his frequent calls upon her on visiting days are a source of interest and excitement to the whole house. Mrs. A. P. is admonished at once, as soon as anyone catches sight from the window of "The Baby's Pa" approaching, that she must hurry and get ready and go upstairs to see him.

The mental condition of "The Baby's Pa" may be judged by a wonderful plan he has elaborated to go to housekeeping again with his wife and the baby. This is to rent a room from some rather apocryphal person, to pay the rent by getting his wife to work for the apocryphal landlady, and to secure his wife's freedom by the aid of the police. He intends to invite two or three constables to assist him, to guide them within sight of the Industrial Refuge, "Then I'll say, 'Come on, boys, she is in there,' and I'll get her out!"

As for the poor feeble-minded child of this extraordinary pair, whose birth created the title of "The Baby's Pa," she is kindly cared for in one of our best institutions, and is frequently visited there by her father. She does show signs of mental defect, and still perhaps we can make something of her, perhaps she can fill some sheltered corner in the Scheme of Things, and if the Province has to support her partly, still we have the consolation of knowing that the feeble-minded father is cared for (by his family) and working a little, that the feeble-minded mother is almost self-supporting, and that we have not four or five more children. None of these things would have happened if we had let this case drift.

As we go on through the house we meet A. B., one of the best girls. She is allowed to have a room to herself, and works well, and is a pleasant girl. Her sister, in spite of the fact that A. could not take care of herself at all, and was twice in a Maternity Hospital within little more than a year, is very angry that A. is here, and would like to get her out. To look at A. those who know nothing of the higher grades of the Feeble-minded might agree with the sister. When one sees the inmates, useful, clean, industrious, contented, one thinks they could surely do housework out in the world, where domestic servants are so much needed. Most of these have already proved that such a course would be impossible and disastrous to them. It recalls to one's mind the reply of Rob Roy to the Duke when His Grace said to the famous outlaw, on whom he had just passed the sentence of death:

"You will do well, sir, to warn your wife and family and followers to beware."

"My Lord," said Rob Roy in answer, "were I now with my folk, I could rule four or five hundred wild Highlanders as easy as Your Grace these eight or ten lackeys and footboys. But if Your Grace is bent to take the head away from a house, ye may lay your account there will be misrule among the members."

In this well governed house, with a good woman and an excellent officer at the head of it, with no one to tempt, no one to betray, no one to set a bad example, with work and order and civility the rule of the house, with their whimsicalities understood, and their weakness compensated for by someone else's strength, these poor girls and women look clean and work well and speak civilly, and try hard and successfully to be good. But not even Rob Roy's wild Highlanders could use worse language, or be more easily tempted, or live lazier lives, or commit more crimes, than the feeble-minded prostitutes and criminals of a modern city. From this fate it is the duty of the civilized State (which assumes the responsibility of caring for minors deprived of their natural guardians and of protecting those

whose minds are so diseased as to render them irresponsible), to save those who will always mentally be minors of about the age of nine years and whose minds have never developed far enough to make them other than irresponsible.

Some few Feeble-minded, placed in exceptionally good homes and also placed under authoritative supervision to see that they remain in these homes, under favourable circumstances, may do fairly well. But for the vast majority custodial care is the only proper course, and this applies almost without exception to those who have once found their way to Government or charitable institutions. On this point there is no difference of opinion among those who have studied the subject, such as Dr. Walter E. Fernald, of Waverley.

As an authority on the Feeble-minded, Dr. Fernald has, in the opinion of the British Royal Commission on the Feeble-minded, and others well qualified to judge, few superiors.

In his last report, published in 1909, of the famous Massachusetts School for the Feeble-minded, of which he is Superintendent, Dr. Fernald says:—

"With the girls generally the introduction of the musical training, the domestic training and the fascinating forms of handwork—embroidery, fancy work, etc.—has opened up many natural sources of feminine interest and pleasure. This greatly broadened life has apparently made a permanent change in the relation of the girls as a whole to the school and to life generally. As a class they have become much better contented, better behaved and have become infinitely more like normal women in every way.

This noticeable change in the apparent mental condition of so many of our girls has opened up a new set of perplexing problems, as has already been called attention to in the report of the trustees.

It often happens that a girl is committed to the school because she has been found impossible at home and in the community. She is dull mentally, idle, untidy in dress, disobedient, wilful, incorrigible, inefficient at any kind of work. Probably she has been unchaste, perhaps has had one or more illegitimate children; she may have a court record. She comes to us hard and unattractive, impudent, insolent and useless. She is put in school; she is taught to read and write, to sing, to cook to sew, to knit. With good, simple food, regular bathing, physical exercise, regular habits, etc., she becomes strong, bright-eyed and attractive. She becomes quiet, obedient and well-behaved. Her friends see the change, but do not realize that the improvement is the result of and depends upon the environment of the school, the influence of association with refined women, absence of temptation, and constant supervision and direction. They demand that she may be sent home, that the family may have the benefit of her work or that she may be put out to service for wages. They do not realize that with the best possible home supervision the girl will almost always rapidly deteriorate, and quickly return to her old ways. They do not understand that the mental weakness which was the cause of the moral delinquency is a permanent condition, and in all probability will reassert itself if the constant supervision is taken away. We now have at least twenty cases where the friends are urgently asking for the discharge of female patients whose history before and after entering the school closely corresponds to the hypothetical condition described above. The apparent fitness of a girl of this type for home life, as a result of the school training, is so real that a magistrate would hesitate to commit the very girl he unhesitatingly committed, at the urgent request of the same relaives, only a few months previously. The fact that every one of the girls of this type almost certainly returns to her previous

troublesome mental, social and moral habits is well understood by every one familiar with mental defectives.

This year, two girls who had been admitted to the school under the conditions described above improved so much in every way that the relatives honestly believed that it was not fair to keep them here longer, and also wished to have the girls at home to assist with the house work. Prominent people became interested and urgently requested the discharge of the girls. The families promised to closely watch and guard them. The trustees finally permitted these girls to return to their homes. They quickly became unmanageable and wayward, and both became pregnant within a few months of their discharge. Both girls were then recommitted to the school.

The existence of this large institution is largely due to the demands of parents, physicians, clergymen, court officers, social workers, and thoughtful people generally, that feeble-minded women should be permanently removed from the community. In this State there is an urgent demand for the commitment and permanent detention of the higher grade cases of defect, where the social incapacity and the moral weakness are more obvious than the mental backwardness. These cases cannot support themselves, and are most undesirable and troublesome members of society. Under institution conditions, protected, supervised and helped as they are, they soon behave much like normal women. If sent out into the community they almost invariably return to their former habits. It is not difficult to obtain powerful pressure to discharge these cases. Indeed, the fact, well known to alienists, that these girls are often attractive and bright-looking, and are able to talk glibly, and plausibly, is very convincing, even to the courts. We have, therefore, to face the anomalous fact that it is easy to have a class of patients committed to the school under a permanent commitment who in a few months are likely to impress the same court as cases who ought at least to be released on trial, on the principle that no person ought to be permanently deprived of his liberty on the mere assumption that he will in all human probability misbehave or commit crime.

This state of affairs is largely due to the fact that the medical and popular appreciation of the existence of this most dangerous class of so-called moral defectives has not yet been adequately formulated into workable legal definitions and precedents."

But we are rapidly learning the practical and right way to deal with these cases, and legal definitions and precedents will follow before long.

No one in the Industrial Refuge requests to be allowed to leave. It is, in fact, a favourite remark of another inmate, E. D. (conversation among the Feeble-minded has a strong tendency to frequent repetition, and even to becoming stereotyped), "I don't see why any girl would want to go away from *this* house."

B. L., a willing girl, Mrs. H., a poor woman who has always been mentally inferior, and cannot even remember to eat her meals without being reminded; A. F., whose mother died in an asylum; M. H., whose favourite remark is, "A great many people are fools and don't know it, but I know I am!" are all looking well. M. H. needs very constant care. On one occasion it was necessary to burn some suspected rubbish and M. H. added fuel to the flames in the shape of the whole stock of clothes of another of the inmates. She had, however, sufficient sense of right and wrong to make her think afterwards that she should give her own clothes to the inmate whose clothes she had destroyed!

M. I., a quiet, sweet-looking girl, and a good worker, was rescued by the Salvation Army. It seems hard to believe that this girl, now looking not only

respectable, but attractive, was very immoral, and had three illegitimate children in as many years, and still believes, what some evil person told her, namely, that this was quite right and proper!

There are three girls in the house much younger than the others, whose ages are fourteen, eighteen and nineteen. One of these was the despair of her father and brother who could do nothing with her. With much difficulty she was placed here, and now is no trouble to any one, but is learning to work.

Of the other two, who have become friendly and "make a team," accounts are most favourable.

L. W., fourteen years old, is helped a great deal by one of the older girls, who is both gentle and refined.

E. T., who is nineteen years old, does with L. W. a great amount of work. They work together turning wringers and turning mangles, and every other needed work they will do, so that Miss Calder, one of the assistants, frankly says she does not know what she would do without them.

The Haven, Toronto.

The good work of the Haven, referred to at some length in the last Report, still continues. There are now among the inmates about 30 women who are mentally defective, most of whom are utterly unable to protect themselves morally.

All are fond of music and most of them exceedingly fond of flowers. The Superintendent, Miss Brooking, to whom I am indebted for much information (see below) and assistance, would very much like to try the influence of gardening upon them. All are inclined to self-conceit and boasting, and nearly all are violent and irritable in temper, but also affectionate, and with patient and loving training are able to develop considerable power of self-control. Nearly all are restless, and fond of motion and change. Nearly all are capable of great interest in various kinds of mechanical work, especially if results are beautiful. They often show signs of decidedly artistic ideas. They are generally very emotional, impatient of restraint in private life, but usually happy and contented with the cheery life of an institution. Can be *led*, but not driven, though requiring a very firm hand at times. Nearly all are kindly and good to little children, to the sick and to the aged. They are prone to imagine various ailments, and without exception anxious to be taking medicine all the time! Most of them are physically defective.

This Institution has been visited regularly by me at the beginning of each month. A few notes follow on some of the cases.

P.K.—Interesting case of arrested development. Had a severe illness at the age of three years, and though now twenty-seven, still talks and acts like a child of tender years. Is very affectionate and kind-hearted. Quite bright in some ways; is a self-appointed detective if anything dishonest is in the air and always tracks the culprit successfully.

She had to be sent from the Haven to the Hospital soon after admission, and was there discovered weeping copiously She would give no reason for this, nor could she be comforted, but repeated over and over "I want to go back to the lady in the plaid dress." It was remembered that Miss Brooking had been wearing a plaid dress which greatly took P.K.'s fancy. She could not at first remember names, but always referred to the Superintendent as "the lady in the plaid dress!" Is fond of bright colours, of flowers, and also of music. Is clean in her person. Learning to sew, though very slowly—helps in the wash room with simpler parts

of the work. Is of a happy, playful, innocent disposition, and improving greatly with training. Quite unable to protect herself, and has had two children, both dead.

F.L.—Forty years of age, and for nearly thirty years in the Haven. Feeble-minded and epileptic—one side partially paralyzed. Violent and irritable in temper, but kind-hearted. Extremely clean in person, and very industrious. Scrubs beautifully with left hand, and is learning to sew fairly well. Made an immense effort to learn to read, but had not been trained early enough to do much. Has to be managed like a child, and when giving way to her occasional outbursts of passion, has to be punished like a child, by some restriction, as going without a meal, etc., after which she will be quite well-behaved for weeks.

L.D.—Has been in the Haven three years. Improved greatly. Was extremely quarrelsome at first. Is now conquering this, though still subject to occasional lapses. Imagines herself the victim of every ailment she hears of another having. Neat worker, and very clean. Has learned to sew beautifully. Writes and reads fairly well, but finds spelling and arithmetic more difficult, though improving steadily in both. Is extremely dictatorial, always advising others, but is kind-hearted, and can be led and controlled by her affections.

M.B.—Twenty-nine years of age, and looks much older. Appeared very idiotic at first, and showed little intelligence, but brightened up wonderfully during her first year at the Haven. Learned to wash and dress herself neatly, to help in wash room, to sew, but not to put the simplest garment together. Learned to read a little and commenced writing. Began to look quite intelligent. Gentle and happy in disposition, and very affectionate. Belonged to very respectable but poor family; formed the wandering habit, and grew uncontrollable. Settled down quite happily at the Haven, and showed no desire to wander. Used to howl like an animal when restrained, but has dropped this habit entirely. As time passed began to complain of pain in her back, and was in a hospital for some months under treatment for neurasthenia. During this time in hospital, lacking mental stimulation and being waited upon like a child, she fell back into more than her former imbecility. Makes no effort to keep herself clean. Can neither read, write nor sew, and has formed a strong aversion to any form of effort or exercise. Has formed the habit of staying in bed, which she never had before, and only wishes to doze away the hours, waking at meal times and eager for food. However, we are beginning all over again, and hope soon to stimulate to mental and physical activity.

S.M.—Age unknown. Year after year says she is twenty-seven. Looks fifty! Too old when found to do much with her along new lines. Is very neat about her person, but grows careless and untidy in her work, unless continually spurred on. Likes to be quiet and undisturbed. Will go out alone into the grounds and getting behind a tree, sing aloud in a high childish treble, with face lifted to the sky, and illuminated by a broad smile. Often laughs aloud at her own thoughts. Is passionately fond of flowers. When she thinks no one is looking, will go along the whole length of the border, touching each leaf and blossom with loving fingers, smiling or laughing to herself the while. Might have been developed if found in time.

I.E.—Five years in Haven. When first admitted nursed an old doll, sucked her thumb, and wept continually. Now does housework *well;* also mangling and ironing. Sews very neatly. During last year has learned to read fairly and write neatly. Puts forth immense efforts to reckon simplest figures, but is improving even here. Is fond of singing, and has learned many hymns. Rarely

shows the old violent temper, and is always bright and happy, except after the rare visits of her relatives, when she goes back to old state for a few days. Is delighted with her own progress. Will always need continual direction.

R.G.—Is twenty-two years of age, and has been four years in the Haven. Can manage machinery after much training, and, of course, under continual oversight. Is kind, willing and amenable to authority. Learning well, though slowly. Makes great mental effort, and is generally fairly bright in her narrow routine of daily life. Exceedingly faithful in general. Is subject to severe bilious attacks, during which she sinks back into almost a state of imbecility. Gentle in disposition, and usually truthful, but has lapses, when she tells the "tallest" stories full of self-conceit. Spent her spare time for weeks helping another who could not read, to learn the fifth chapter of St. Matthew, for which a prize was offered. In reporting progress she said that "Rosie had now learned her chapter perfectly, except that she got her blessings mixed."

J.M.—Extremely feeble-minded, and withal stubborn. Has been treated in two hospitals and was simply beyond restraint. Was insolent, defiant and quarrelsome, and lazy to a degree. Concluded that at present the physical was all to which an appeal might be made. One day when she had been picking quarrels with everyone in sight, apparently for the pure fun of the thing, and ended by knocking down an unoffending comrade, she was shut up alone in a small empty room. When she found herself left alone to think, she commenced to scream and pound the walls like a maniac. As a last resort, the hose was turned upon her for a few moments, and when she promised to try to behave decently to the others, she was taken upstairs, stripped of her wet clothing, rubbed thoroughly and put to bed for the rest of the day. She has been completely subdued ever since; is still provoking and trying, but gives in immediately when reproved, and requires no further punishment than to be made sit alone for an hour or so. Is kind-hearted, anxious to help sick or aged, but possessed of an innate love of teasing, which makes her a trying companion for others of limited capacity and irritable temperament. One mental peculiarity is that though learning to read nicely, spelling seems impossible to her, even with the most painstaking individual teaching.

A.R.—Is said to have been an exceptionally bright child up to about fourteen years of age, when she had a severe attack of illness brought on by over-study and grief for the loss of her mother. Was for several weeks, as nearly as can be learned, almost insane. Upon physical recovery, was still mentally unbalanced, usually at regular intervals. Would do the most erratic things. Upon growing stronger went into a situation as domestic, but was morally incapable of protecting herself, and came under our care as a maternity case. Has been here nearly a year, and is recovering poise, both mental and physical. Rarely exhibits any tokens of old restless irritability—is getting back into habits of study, doing excellent work in all lines. Is very neat in person and of dainty habits. Hope she will soon be able to take light situation under kind guardianship. A very pathetic and interesting case.

M.C.—Very wild and uncontrolled. Perpetually reminds one of a broncho. Is loud and rough and fond of boasting. Is restless in the extreme, and if compelled to remain in one place, will turn her head from side to side with precisely the motion of a caged animal. Will work at one thing and in one place for only a few minutes. When first admitted was subject to no restraint and would roam through the house at will. It was almost one person's work to watch and follow her, trying to interest her in some useful occupation. Is taming down wonderfully, works fairly well at active work where there is a good deal of going about. Is

learning to sew, a little at a time. Is doing fairly at school work, and is quite happy and content. Delights in being praised.

E.C.—Very simple and fond of boastful talk. Kindly, respectful and obedient, as she has been fairly well brought up in poor but decent home. When she contracted the wandering habit her parents could not control her, and she drifted to the City and fell into the hands of the police as a vagrant. Is given to romancing—says she has been six times married, though now only twenty-one. Is one that will improve with training.

It is true that those who support themselves in an institution under favourable circumstances are in quite a different position from those who support themselves in the world. The normal person always takes some share in the direction and development of others. Almost never are the feeble-minded able to do that. The normal person really earns three times his own support.

"In any rationally organized community the common labourer can earn enough to support himself, his wife and family. If not where's the next generation of workers to come from? The imbecile has no wife or family. If, therefore, he does one-third of a full man's work, or just as much more than that as will make up for the extra supervision he requires because he is an imbecile, he may rightly claim to be self-supporting."

THE NEGLECTED FEEBLE-MINDED.

How Long Can the Province Afford to Neglect Them?

By far the majority of the Feeble-minded seen this year, or referred to this Department for advice, have not been in any Institution. There is no room for them. There is no Institution for them, and every case we hear of usually brings other cases to light.

Good so far, that we can say, "These excellent Institutions have cared for 80 or 90 Feeble-minded women and girls during the year." But this Department receives almost every day a letter from Hamilton, or London, or St. Catharines, or Peterborough, or Kingston, or North Bay, (to name the places from which the last half-dozen letters were received), or some other city or town, or from a village, or a country district in Ontario, giving just such a history, and saying, "Where can we send her?" "What can we do with her?" And what can we answer? The Industrial Refuge is full. The Haven is over-crowded. *The Feeble-minded women and girls alone who need such care and have it not in this Province are, according to our best information and estimate, at least from* 500 *to* 1,000, *and there are probably born to them now every year about* 100 *children, most of whom will probably be Feeble-minded.* How long can we afford to delay?

Unsuccessful Attempt to Send a Girl to Sandlebridge.

During Miss Dendy's visit, I advised a clergyman who had several times come for advice about a near relative, to appeal to Miss Dendy for admission for the child to the Sandlebridge School. Miss Dendy agreed. The application form was duly filled out, and arrangements made to pay for the child in England. After Miss Dendy left Toronto, I received a telegram from her, stating that the Board of Sandlebridge School declined to allow the child to enter, and asked me to advise the clergyman accordingly.

The Most Hopeful Years.

This child is meantime with her relatives, losing the most hopeful years for being trained, while she and her family wait until the people of Ontario make some provision to educate and care for the Feeble-minded children of the Province, who "not being imbecile and not being merely dull and backward, are defective—that is to say, by reason of mental defect, are incapable of receiving proper benefit from the instruction in the ordinary public elementary schools, but are not incapable by reason of such defect of receiving benefit from instruction in special classes and schools," *and who have as much right to education as any other child, and more need of it.* The normal child will get an education almost in spite of himself. Not so the feeble-minded. The State must care for the irresponsible, or pay the penalty.

A Case in Manitoba Goes to the United States.

Another case, this time in Manitoba, came to light while I was in the West this summer. The mother's letter says:

"We have tried to find out to see if there was any School in Canada, but failed, for we would have much preferred a Canadian School. So we have made all arrangements to take our little girl to a School in the State of ——— next week. But we would be very much obliged if you would give all the information you can in regard to help for backward children, as it may come in handy for future reference."

An Interesting Little Girl.

One of the most interesting cases seen this year was N. H., a little girl of nine years of age. She was a good little girl, clean and nice looking, and she had a good mother, who came with her. The little girl was an only daughter. The mother assured me that she could make out what N. H. said, but that no one else could, and was pleased and surprised when N., with a little teaching, learned one or two new words on the spot, and seemed to understand what was said to her, gradually losing her apprehensive look, and finally smiling.

As they went away through the open door, N., who had momentarily been acquiring more confidence, turned on the threshold and said to me with a wistful look, mentioning first a name which neither her mother nor I could make out, but which we thought was probably one of her schoolmates: "—— said N. was silly, but N. is not silly." "No," I said, "She should not have called Nora silly. Nora is a good girl." Nora smiled, and smiling, went away.

She could be taught a great deal. She is nine years old. The hopeful years for teaching her are from three to thirteen years of age. I hope we shall have a school and teacher for her, and for a boy of twelve, whose brother, a student in the University of Toronto, brought him for advice last week, and the little girl who could not get into Sandlebridge, and for the one who has gone to a School in the States, and for the other children who need such a class, NOW, before they are too old to get much good from it.

N. H. is at school now in one of the Public Schools of Toronto, in the Second Part of the First Book (not that she was fit at all for promotion from the First Part of the First Book), and her teacher, with much kindness, and with the patience of Job, has almost got the other children to let her alone, and not to be too much distracted by the uncouth noises she makes whenever the class sings or recites. What more can the teacher do? Few would, or could, do as much. The teacher has 49

other children and she gives N. H. now far more than one-fiftieth of her time and care, not to mention all the distraction and distress and delay which the mere presence of such a child in a class of normal children always causes.

The Sisters of Our Lady of Charity.

The Sisters of Our Lady of Charity at West Lodge Avenue, Parkdale, have for years received Feeble-minded girls, cared for them, and taught them. Among the cases sent there this year was one girl of twelve years, E. B. She was an inmate of a charitable institution in Toronto, but was troublesome on account of being very defective mentally. She could not be taught her letters, nor indeed, anything else. She had not grown properly, and was delicate. Her mother, deserted by her father, had three other children to provide for, and was very desirous of placing her with the Sisters of Our Lady of Charity. So we asked them to take her.

The Mayor Attends to a Case.

Another girl, E. K., aged twenty, was also placed in the same Institution. She came from a town in a somewhat distant part of Ontario. The Mayor of the town wrote himself to this Department saying that this poor Feeble-minded girl had no parents, no friends, and no home. No one was willing to receive her, and "If you can arrange for her admission we will be thankful, as we have no means of looking after her here."

Admission was accordingly arranged for, and the Mayor was notified by Long Distance Telephone and requested to send the girl under charge of some responsible person, to be brought first for medical examination before being placed in the Institution. She came the next day, May 24th, under the charge of the Chief Constable of the town, and her mental condition was only too plainly evident. On being given something to eat, she devoured it at once in that peculiar furtive way which is much more characteristic of the lower animals than of the normal human being. She seemed not to have the slightest choice about where she should go or stay, or where she was to be sent, but was perfectly indifferent and contented no matter what was said or done.

She is doing well under the charge of the Sisters.

A High Type of the Feeble-Minded.

Another girl, N. W., aged sixteen years, brought to me from out of town by her mother, was one of the most marked and interesting cases yet seen in the course of this investigation. Her father was a Presbyterian minister, and her mother goes out nursing, and is quite unable to look after this poor girl.

She is pretty and attractive, of a high type of feeble-mindedness. Can read some—reads Eaton's Catalogue, for example, with great attention, and certainly could be taught a great deal. In such an Institution as the Industrial Refuge she would rise to the top of the ladder, and be a leader and help among those less gifted. But there is no room and no place yet. Her mother's last letter to me, beautifully written and well expressed, is as follows:

"Will you kindly give me the terms on which you could enter my daughter in a school where she could be taught the common branches of education, and be under a kindly and systematic discipline. My daughter is sixteen years old, so I feel if there can be anything done for her, it should be now.

"I shall be truly grateful for the efforts made in her behalf."

Re-Patriated Cases.

A few cases have been re-patriated from Canada during the year, and one case at least has been re-patriated from the United States to Canada. This was A. G., aged twenty-seven years, a Canadian, who was re-patriated from a Buffalo Maternity Hospital. This was her second child, both illegitimate. She is mentally defective. She was found by the police on March 2nd wandering round the Union Station, and was sent to the Haven.

Not a few Feeble-minded women and girls are found wandering about the Union Station at various times. G. G., aged twenty-two years, one of Dr. Barnardo's girls, was one of these so found. She was distinctly feeble-minded, and seemed to have no sensible ideas on any subject. Her own account of herself was that she had come to Toronto to find some respectable young man who would marry her! On account of her condition she had to be sent at once to the Maternity Hospital.

A Typical Case.

The following is a report from one of the Agents of the Children's Aid Society:

"It is quite apparent that the mother of a little seven-year-old girl now in the Shelter here is in danger of repeating her old habit, as she is of weak mind, and consequently easily persuaded on this line. I do not know her exact age, but think she is almost thirty. She is the mother of three illegitimate children, the youngest being some six or eight months old."

It must again be repeated that these are only a few cases selected almost at random out of a large number reported during the year. These reports are made in various ways.

The Doctor's Letter.

Sometimes it is the physician who is so indignant at the wrong and cruelty of the lives of the Feeble-minded, he cannot help protesting, as in the following case:

"You are taking an interest in the Feeble-minded immoral women of the Province. There is a woman in our town, aged about twenty-two years, who has had two children born out of wedlock. She went to Michigan and married, so her mother says, but she has come back and is living here again. I suppose her husband has left her, and no doubt she will keep on having children with a regularity worthy of imitation by the wealthier classes. This is a serious case, as she is feeble-minded, and her progeny will no doubt be immoral and probably idiotic, if not criminal. Can nothing be done in a case like hers? It is a miserable experience to have to attend obstetric cases like hers. I would like to know if there is any law applying to cases like hers. She will, unless prevented by law, go on having children, until nature prevents her."

These are dreadful words. But they are true.

What Could be Done.

The next letter on our file is from one of the most valued and respected municipal officers of this Province. He has been considering the same question from his point of view. He sees these women in the Houses of Refuge, where they simply come and go, sinking deeper every time, and his letter says: "That the young women in question cannot be so employed in the Houses of Refuge so as to make

the best and most profitable use of whatever ability they may possess, while in an institution provided specially for them the utmost of what they are capable of would be secured."

The United States.

In Educational, Philanthropic, Municipal and Research work the Feeble-minded have not been forgotten in the United States during this year. In fact, we find perhaps more progress and more permanent record of such work than has before been observed.

Report of the Commissioner of Education.

The Annual Report of the Commissioner of Education for the United States contains references to such work in New York City and in Germany. Superintendent Maxwell, of New York, points out that the increased influx of recent years of an inferior class of immigrants from Southern Europe has been followed by a corresponding increase in mental defectives and delinquents.

In Germany an enquiry (Weigel) as to the later life of the children who had been in these Special Schools shows that fifty per cent. or more were self-supporting.

On the other hand, an investigation (Stelzner) of two hundred weakminded persons who had not such training in Special Schools shows that there were two hundred and thirty-five convictions against them, one hundred and forty-six for larceny, forty-four as hopeless tramps, nineteen for begging, ten for housebreaking, eight for fraud, five for assault and three for forging.

It is, however, probable that the above investigation (Weigel) was made not many years after the children left school, and it is a question whether so many as fifty per cent. could maintain themselves outside of an institution for more than a short time.

Sixth Annual Conference on the Education of Backward, Truant and Delinquent Children.

This Conference was a good one, and a strong bond united the members. Some of the most valuable papers presented dealt with the Feeble-minded. Such were "The Border Line Girl." by Mrs. Amigh, of Geneva, N.Y., and "The Ungraded School." by Miss McNeal, of Cleveland. Part of the latter paper reads thus:

"If the special child is to be studied with the greatest advantage to himself and the largest return to society for the money spent in salaries, it must be done by the united efforts of those who work with him in institutions and in the public school.

"Let us have the special school for the special child. It must ever be an expensive one, but the public has no choice in the matter. If the money be not spent to educate the boy, it will be needed to take care of the man."

National Education Association.

At the Annual Meeting of the National Education Association held in Denver in July a comprehensive Supplementary Report was presented by a Special Committee on Provision for Exceptional Children in Public Schools. This Report appears in six different sections, of which the two most important for our purpose are, "Abnormal Children, their Classification and Instruction," by Mr. F. G. Bruner, of Chicago, and "Provision for Exceptional Children in Public Schools of St. Louis," by Superintendent Blewett, of St. Louis.

There are now in St. Louis six Special Schools, each held in a detached six or eight-roomed private house, each of which is arranged to give accommodation to two classes of fifteen pupils each, also lodging for the woman who is caretaker and attendant. There are about ninety of such children unprovided for in St. Louis, besides the one hundred and eighty children in the six Special Schools.

The Result in St. Louis.—Worth What it Costs.

Superintendent Blewett's conclusion is as follows:

"At the end of a year and a half of experience we know very definitely that we have helped most of the pupils to a healthier, happier life. We know just as definitely that we have been only feeling our way, and that there must be a much closer diagnosis of the individual case by one specially trained to see the defects of the mind and the physical causes of the defects. What we do even with our inadequate provision is worth what it costs, both because of the good it actually does the defectives, and because of the relief it affords the ordinary school classes."

Department of Special Education.

There is also at the National Education Association a separate department, called the Department of Special Education where the main topic is the education of the child seriously backward by means of mental defect. A Special Committee presented, in connection with the Department, a valuable report on Books and Tests pertaining to the Study of Exceptional and Mentally Deficient Children. This is a very helpful document, and Dr. Goddard's translation, which will be found in an appendix, dealing with the De Sanctis and the Binet & Simon tests is a distinct addition to our resources and our knowledge of the Feeble-minded and how to recognize them.

National Conference of Charities and Correction.

Dr. Goddard's Exhibit and Demonstration of the methods employed in the Psychological Research Laboratory of the New Jersey Training School for Feeble-minded Girls and Boys at Vineland, N.J., was one of the most striking features of the Conference and Dr. Goddard's reception showed how his work was appreciated. In the proceedings only a brief abstract appears, but Dr. Goddard spoke fully and explained the ergograph and other delicate machines. When he demonstrated by the graphic method applied to case-histories, how definitely hereditary Feeble-mindedness is, the audience showed how serious were their thoughts upon this subject, and how greatly they appreciated the work of the speaker.

The Psychological Clinic.

Another American educational influence towards helping the Feeble-minded child, and promoting the normal development of every child is a Monthly Magazine called "The Psychological Clinic," and edited by Prof. Lightner Witmer, of the University of Pennsylvania. Clinical studies, practical papers and the results of the work of teachers and physicians are published in this important magazine, which is a great help to the work.

Permanent Census Board.

A great advance in the education of mentally defective children, and of all children a little below the normal line in any way (*i.e.*, the children who need

education most) is now rendered possible by Chapter 249 of the Laws of 1908 in New York State, which provides for a complete census of children from four to eighteen years of age. This has already been begun in the City of New York. The Permanent Census Board so established consists of the Mayor, the Police Commissioner, the City Superintendent of Schools, and Assistant Superintendent Chatfield, who is Secretary of the Permanent Census Board.

The details have been rapidly worked out, and the system is already in operation. The teachers collect all the information they can from their pupils, and the cards so filled out are returned to the police, or patrolmen of the district, whose duty is then to get any additional information from the parents and others, and then return the cards to the different schools.

I am greatly indebted to Assistant Superintendent G. H. Chatfield for the information about this progressive and promising movement.

It is not possible to present all this valuable information in detail, but it is on file in this Department, and those who are interested in the highest welfare of the community, especially in questions of special education, truancy, charitable and philanthropic work, prison reform, the care of the defective and delinquent, and submerged classes, will undoubtedly support the adoption of measures which will lay a good foundation for all such work. Prevention is far better than cure. The boy or girl on the way to an unproductive, unemployed, undeveloped and criminal life, cannot be met and helped too soon. At present, the Priest, the Levite, and the Good Samaritan often do not get a sight of him or her until the period of prevention has long since passed, and the strong arm of the law has clutched our neighbour, our brother, our sister, after an indelible impress of evil is made upon the character that in school days was capable of much better things.

The first thing we must do to help these lost sheep is to find them, and this is the purpose of the School Census, as is shown by a letter addresed to all the Principals of schools in New York City by the Superintendent, Mr. William H. Maxwell.

A few extracts from this letter which are connected with the subject of this Report are here given:

INSTRUCTIONS FOR FILLING OUT CENSUS CARDS IN SCHOOLS.

Department of Education, The City of New York, Office of the City Superintendent of Schools, No. 500 Park Avenue.

December 4, 1909.

To Principals of Schools:

Ladies and Gentlemen.—A census of all children between the ages of four and eighteen years is required to be taken under chapter 249 of the Laws of 1908.

I have decided to ask your co-operation in the gathering of statistics for this census for two reasons: First, because limited appropriations do not make it possible to employ the large number of patrolmen who would be required in order to complete the work within a reasonable time; secondly, because I believe that the close and sympathetic relations which exist between teachers and the children will enable them to obtain the desired information, with a very high degree of accuracy.

You are doubtless familiar with the larger purpose of the law; namely, the better and stricter enforcement of the compulsory education law and the discovery

of those children who by reason of physical or mental infirmity are not receiving the benefits of the special instruction which the Board of Education now supplies so generously by its schools for the blind, the deaf, the crippled, the tubercular and the mentally deficient.

It is further hoped that more accurate information may be obtained concerning the occupations of children between fourteen and eighteen years of age. Such information will furnish data which should assist materially in the solution of the problem of vocational training.

I therefore request that upon the receipt of the census cards from the Permanent Census Board you will have them filled out in accordance with the accompanying instructions and delivered with despatch to the school in your district designated to receive them.

Please impress upon the teachers the necessity of care and discretion in obtaining this information and inform the parents, through the children, that the information is required by law, and that all facts ascertained concerning the previous occupations of children between fourteen and eighteen years of age, will be regarded as confidential.

Very truly yours,

(Signed) William H. Maxwell,
City Superintendent of Schools.

If child's physical condition is defective in any of the particulars indicated by the next seven items, check such items as show the defects. In reporting on items describing physical condition, and those classifying causes of non-attendance at school, the most careful judgment should be exercised. Exaggeration of any sort should be eliminated and nothing included which in whole or part is a matter of speculation.

Note the following:

(*a*) *A child is to be checked as blind, either if totally blind, or if the parent claims its sight is so poor that it is unable to benefit from ordinary school instruction.*

(*b*) A child having a chronic cough and fever and showing a progressive loss of weight is probably tubercular.

(*c*) A child is to be checked as ill physically if the parent claims that it is suffering from a chronic disease which totally prevents attendance at school, or if a physician's certificate can be produced directing the child to be absent from school for a long period of time.

(*d*) A child is to be checked as ill mentally if the parent claims, or if it is apparent, that its mind is so weak or defective as to render it incapable of comprehending ordinary school instruction.

(*e*) A family is to be checked as "broken" if it lacks the care and support of one or both parents, *or if one or more children are inmates of another family or an institution.*

It is interesting to compare with this new plan the enforcement of school attendance in London, as reported on in The Survey, by John F. Reigart, Principal Public School No. 2, New York, showing the necessity of a School Census.

"The formation of a national habit of school-going in England," according to R. Blair, the executive officer of the London schools, "has been a long process, demanding patience, persistence, and much courage on the part of the education authorities. To-day in London, one in every 6.4 of the population is on the roll of an elementary school, and the percentage of average attendance for children of

all ages from three to fifteen is 88.9. In 1871, only 39 per cent. of the possible children were in the rolls of efficient schools, and these make an average attendance of 78.3 per cent."

The foundation of the school-going habit is the result of compulsion. In 1900 the maximum penalty for non-attendance was increased from five shillings to one pound, and in that year the school board issued over 28,000 summonses, and obtained over 26,000 convictions.

The proportion of convictions indicates the changed attitude of the magistrates. By 1908, the number of summonses and convictions had been reduced one-half, while the attendance had increased to 88.9 per cent. These results are attained at an expense of about 60,000 pounds a year for the department of school attendance, and an equal amount for industrial and truant schools, and some thousands of pounds for medals and prizes as a reward for attendance.

For administrative purposes London has twelve divisions, each with a superintendent of attendance and seating. The superintendent has general charge of the attendance officers of the district. Together with a committee of managers he meets the parents of delinquent children, issues summonses and conducts cases before the court. The divisions are subdivided into districts containing about 3,000 children between the ages of five and fourteen, the compulsory period. There are 300 school attendance officers, one of whom is assigned to each district. Fifty additional officers are employed to deal with the employment of children, and with industrial and truant school cases, to pick up children wandering in the streets during school hours, and to trace families who have removed. New York, with a school population but little less than that under the control of the London County Council, employs only eighty-six attendance officers.

In order to study the methods of enforcing the compulsory law, I visited the East Lambeth divisional office on Peckham Road, Camberwell, and was guided by H. E. A. Coates, the superintendent, who explained all stages of the work. I found thirty or forty officers at work on their records or planning visits for the following day, and I was permitted to examine the census registers, the attendance slips and the records of the cases brought up for examination or trial. The books are kept by districts, and are in charge of their attendance officers.

A schedule or register in book form is kept of all families living in the district. A census of school children is taken annually by visiting all houses below a ratable value of thirty pounds. Houses above that ratable value are only visited if it is believed that they contain children not receiving efficient instruction, or if the children are attending public elementary schools. The significant fact in the routine work of the attendance officer is that his visiting is based, not on reports of cases of truancy or even absence, but on the weekly record of each child's attendance. These records are sent weekly from each school on Friday. The officers examine each slip and select for visiting those where the attendance is irregular. If the explanation of absence is not satisfactory, he cautions the parent and marks the slip accordingly.

In boys' schools the percentage is much higher, particularly in the Jewish schools. One of these schools, that on Christian street, has maintained for several years an attendance of 97 per cent.

In order to complete my study of school attendance, I visited one school of each type to which truants may be sent. There are now three industrial schools, of which Drury Lane was the first established. This school has on register ninety boys and nine girls.

The great success of Mr. Humphreys, the head master, is due to his broad sympathy and the individual attention which he gives to each case. He visits the homes of the children soon after admission and attempts to discover the cause of truancy. He trains the children for the industry most likely to prove advantageous, secures places for them and follows them up for three years after leaving school. Thursday nights are given to the reception of former pupils.

The school is really a trade school, and the aim is to train the children for self-support, and to place them in their proper social relations. Three hours a day are devoted to trade work, three hours to school studies and the remaining time is spent in baths, swimming, physical exercises, games and meals. The school gives three meals a day. Three weeks of the summer time are spent in camp at the seaside.

The object is not punishment, but training. The youth of the boys was particularly noticeable. Some were not more than nine years of age. Truancy is attacked in its incipient stages and overcome by years of training. The striking characteristics of this school were the well equipped buildings, large grounds, drill, excellent school work, and thorough trade training. I was particularly struck with the breadth of the trade work. Tailoring, for instance, is carefully analyzed; and accompanying each step in the practice is interesting and suggestive instruction aiming to enlist the intelligence.

It speaks well for the stage of efficiency now reached by the attendance department, that it is no longer possible to fill the places in the industrial training schools, even though children are now admitted from localities outside the jurisdiction of the County Council. The accommodation is for 1,700 children and the number in the schools in March, 1907, was 1,300.

The means by which London's great advance in the enforcement of compulsory school laws has been secured:

"The separation of school attendance from school inspection; an adequate number of officers; organization under superintendents; the prosecution of court cases by the superior officers; a school census and register in charge of the attendance officers; the keeping of complete records in the division offices; responsibility of each officer for the records of his district; the basing of visits upon the duplicate attendance sheets rather than upon the reports of absentees; the severity of the magistrates as to fines and commitments for violation of the compulsory law; the commitment of youthful incipient truants; the moral and industrial training of the school for truants; a term of commitment adequate to gaining a preparation for a livelihood; the placing of discharged truants in appropriate situations; the after care of those who have left the schools for truants; the license system, permitting the attendance of a truant in a regular school conditioned upon regular attendance or return to truant school without commitment."

Education of Mentally Defective Children in New York City.

Assistant Superintendent Farrell again presents an Annual Report full of information, interest and meaning to the Superintendent, Mr. William H. Maxwell.

This Report draws attention to the two most important matters in connection with the present position of this work.

I. Adequate reports concerning abnormally slow children now in the schools.

II. Health conditions of ungraded class children.

208 schools have reported children as abnormally slow. Number of children examined is 2,060, and the number of ungraded classes is 61.

DIAGRAM I. PRESENTS GRAPHICALLY THE NUMBER OF SCHOOLS REPORTING CHILDREN ABNORMALLY SLOW.

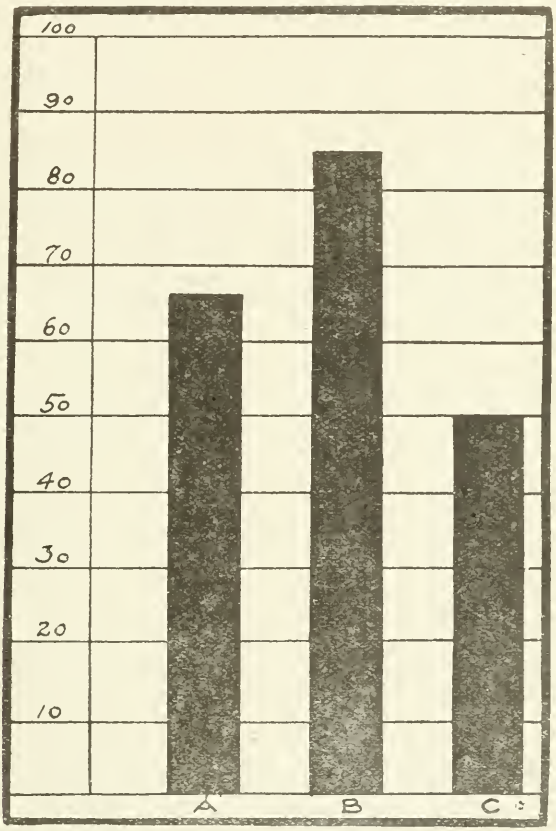

Diagram I. The shaded portion of each column shows the percentage of schools in the boroughs named, which reported children abnormally slow.

A = Manhattan.
B = The Bronx.
C = Brooklyn.

DIAGRAM II

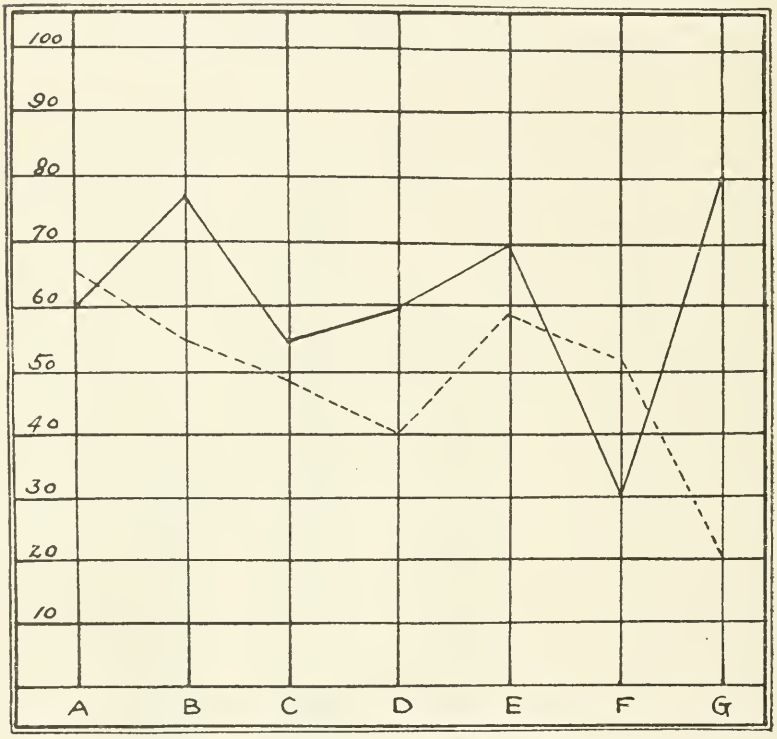

Diagram II. *Full line* shows percentage of physical defects found in 680 ungraded class children. *Dotted line* shows percentage of these under treatment as the result of the teachers' visit to the homes. *A* = Malnutrition; *B* = Nervous disorder; *C* = Adenoid growths; *D* = Hypertrophied tonsils; *E* = Defective vision; *F* = Defective hearing; *G* = Defective teeth

And here we meet with two difficulties.

There are many children abnormally slow and defective mentally who are not in the schools at all, and there are others who are in the schools but are not recognized. It is hoped, and confidently expected, that the School Census will find those out of school. But according to the best expert opinion, one per cent. less or more, of Public School children are slow. How are we going to find them? In Germany there is an organized, slow, scientific, laborious, patient and earnest system of child-study which accomplishes this work.

In Great Britain, Medical Inspection of Schools has to some extent solved the problem.

Health Conditions.

The Report goes on to discuss Health Conditions among backward children, and quotes Descartes:

"If the human race is ever to be perfected it will be the result of the combined efforts of medicine and education," adding, "In a peculiar way the ungraded classes are proving this statement. Not that we are developing a perfect type of public school child, but rather that we see definitely that without the aid of medicine and surgery our efforts lose much, if, indeed, they are not practically worthless. It is a startling fact, but a true one, that 95 per cent. of all children examined this year for ungraded classes were found to be suffering from malnutrition; 80 per cent. were decidedly neurotic; 15 per cent. showed a *very low* physical condition. It goes without saying that the physicians and the surgeons have much to do in these cases before the school can effectively train the child's mind. To get the co-operation of physicians and surgeons, two plans were followed: 1. The class teachers undertook to see that the physical defects were corrected; 2. A special visitor volunteered to do the work for *three* classes."

"As you know, the ungraded class work is particularly hard. The class teacher must be alert and active during the entire day. She is often tired out when school closes and physically unable to call upon and to persuade parents to visit hospitals. In those cases where the teacher did succeed with the parent, the condition was attached that because of the language or the timidity of the parent, the teacher should accompany the party to the dispensary. In many instances the clinic hours conflict with the school hours. Saturday has been spent by the interested and vigilant teacher in visiting hospitals and dispensaries with a view to the correction of the physical defects found in the children."

The work of the Special Volunteer Visitor, Miss Ruth Peckham, of the College Settlement, was done with forty-two children. She made fifty-seven visits to the hospitals and one hundred or more to the homes. Two-thirds of the children she took herself to hospitals, or dispensaries, for necessary medical or surgical treatment for eyes, teeth, tonsils, adenoids, tubercular glands, general nervous conditions, and in some of these cases great improvement occurred. The remaining one-third of the children were taken to the dispensaries for treatment by the parents or by some member of the family.

The Report concludes as follows:

This experiment with a special visitor warrants, I believe, the continuance of the work. Because of the place the school nurse has already made for herself in the lives of most of the people, she can do this work better than anyone else. I suggest that nurses be assigned to ungraded classes. It should be part of the duty of such a nurse to accompany parents to hospitals and dispensaries, and to see that recommendations as to food, sleep and work are carefully followed out. In addition to

the assignment of nurses to ungraded classes, it is desirable that arrangements be made for some kind of written communication between the hospitals and dispensaries, and the schools. They, as we, are striving to better the condition of the children, and this effort can be more effective if each could know what the other is doing. I suggest that some method be worked out, which will secure a closer co-operation between the school and the physician.

I want to commend to you the service which the teachers of ungraded classes have rendered this year to the children in their charge. Many have labored under most trying circumstances, but with a cheerfulness and a hopefulness which have made friends for the whole movement. While remuneration for work of this kind can never, in the nature of things, be adequate, yet the compensation which can be given should be commensurate with the service rendered.

The statistical report submitted by Dr. Isabelle Thompson Smart, the medical examiner, shows the great amount of work accomplished. With characteristic faithfulness, Dr. Smart has labored early and late to promote the cause of mentally defective children.

Summary of Recommendations.

1. A systematic study of conspicuously backward and conspicuously naughty children should be required.
2. The appointment of nurses to ungraded classes.
3. The establishment of some means of communication between hospitals and dispensaries and the public schools having ungraded classes.
4. The recognition of the peculiarly arduous character of the work required in ungraded classes by a salary commensurate with the service rendered.

Respectfully submitted,

ELIZABETH E. FARRELL,
Inspector of Ungraded Classes.

TOTALS FOR ALL BOROUGHS OF NEW YORK CITY, 1907-08.

	Children Examined.	Boys.	Girls.	Recommend'd for Ungraded Class.	Re-examined.	Foreign Born.	American Born of Foreign Parents.	American Born of Native Parents.	Birth Unknown.	New Exams. plus Re-exams.
Manhattan	1,139	781	357	590	865	512	277	186	164	2,004
Brooklyn	780	534	246	415	263	351	160	145	124	1,043
Bronx	102	71	31	56	70	29	36	13	24	172
Queens	39	30	9	23	.....	4	16	10	9	39
Grand Totals	2,060	1,416	643	1,084	1,198	996	489	354	321	3,258

Kansas City.

The Superintendent of Schools in Kansas City puts the matter briefly and clearly in his Annual Report, issued in 1909:

Waste is entailed by the presence of defective pupils in a class with normal pupils.

Defective children are misfits in classes of ordinary children, and are impediments to class progress. Teachers will teach to these slowly moving ones, either in tender solicitude for them, or to carry them along with the class and cut down the number of failures, unmindful of the fact, or indifferent to it, that much of the time and zeal given to them might be more profitably expended in behalf of their other pupils, who thus, of course, lose and are held back. True, these brighter pupils accomplish the course; but they could accomplish more, and it is their right to derive from the school all that it can make possible to them.

The logical relief would seem to be the alleviation or cure of the defectives' ailments by prompt professional treatment, and the segregation of the incurable or resistant cases under the scientific training of specialist teachers, either in special classes in the school building, or in an institutional building specially designed and equipped for the purposes of a developmental or training or foster school.

The Russell Sage Foundation.

One of the delights of the traveller in a mountainous country is to reach, by the last step of a toilsome climb on the way to the summit, some plateau which suddenly shows him his progress, and enables him to see a vast extent of new country. Such was the position of Educational and Medical experts when the first results of Medical Inspection of Schools came in with some of that excitement which marks the reception of election returns.

But just as the new member of the Canadian Alpine Club, toiling up the Rockies, looks long ere he identifies the land-marks he has left below, so the Educational and Medical Experts will take a while to recognize and get into focus what they see. If in Sioux City there are eighty per cent. of the children examined in the Public Schools reported as defective, and about the same time only eighteen per cent. are so reported in Minneapolis, it cannot be wondered at that the average citizen, or at least the man in the street, will long for some classification such as that suggested by Dr. Elkington, of Tasmania, who, among all the Tasmanian returns in regard to medical inspection of schools, lays stress only on those he calls I. E. P. (Interfering with Educational Progress).

This leading feature of the situation has been seized to the great advantage of the community by the workers in the Russell Sage Foundation, one of whom, Mr. Leonard P. Ayres, is the author of a valuable book on Backward Children. The preparation of this volume will always reflect credit, and even glory, on the wisdom of Mrs. Russell Sage, who made it possible, as well as those who put their hands and brains to this work, and gave their lives to it.

This book touches the subject of the present report in two ways:

First: It reminds us that many children will be very backward and quite possibly reported to us as mentally defective who are nothing of the kind. The fatherless boy who will not go to school when his mother tells him is still in the land, and sometimes he never learns to read, and there are others who are seriously backward.

Second: Not all who are reported to us as backward, and only apparently mentally defective, because they are suffering from physical defects, are really suffering from physical defects alone.

When we come to investigate, though we can remove or improve apparent mental defect by putting the child into a physical condition as perfect as may be,

we cannot remove real mental defect. We cannot give mentality. We can only develop what is there, and hence the permanent need of permanent care for the really Feeble-minded.

To quote the convincing words of Mr. Ayres himself:

In studying the problems of school progress and physical defects we must not forget that school success is to only a limited extent a true measure of real ability. It may often be but an indication of adaptability and docility. Indeed it would not be surprising to find that the child of perfect physical soundness and exuberant health had so many outside interests as to render him not particularly successful in school work and that he found the rigid discipline of the schoolroom so irksome as to cause him to fail of approbation by his teachers. It must not be inferred that physical defects exercise no influence upon school progress. They undoubtedly do in a certain number of somewhat extreme cases. Current statistics do not conclusively show this because we have not as yet discriminated among physical defects. We group together all kinds from pediculosis to tuberculosis. Some have a direct bearing, some none at all. Defective hearing undoubtedly exercises an important influence on a pupil's success in school, but the fact that the child has a club-foot has no such significance. When we find that "non-exempt" children in Philadelphia have many more physical defects than exempt* children and when upon further investigation we find that the difference is caused by the more prevalent skin diseases in the former group, we have not at all established a quantitative relation between pediculosis and progress. We have merely secured one more illustration of the shortcomings of the statistics of medical inspection.

The new school hygiene is in many respects a new science and like most ambitious young sciences it too often tries to prove too much. If medical inspection were to show that 10 per cent. of all the school children were suffering from such physical defects as might reasonably be thought to have some bearing on school progress, there is little question that the study of the school records of these pupils would show a high degree of correlation to exist between their marked physical defects and their school progress. But when all defects, however slight, are lumped together and we are told that 80 per cent. of the children are defective, it is not surprising that no such correlation can be shown. In so relatively definite a test as that for vision we find the ratio of abnormality ranging from 7 per cent. in Bayonne to 70 per cent. in Cleveland.

Where the personal equation is so important, and methods and standards so little established as in the field of medical inspection, the greatest caution must be exercised in drawing sweeping conclusions from the figures furnished.

We have shown that physical defects decrease with age, that age is the important factor and must be taken into consideration in all investigations dealing with defectiveness and school progress. Secondly, it has been shown that vision does not follow the same rules as do the other defects. The examinations conducted in New York have shown higher percentages of enlarged glands, defective breathing, hypertrophied tonsils and adenoids among the dull children than among the bright children. It has been pretty well demonstrated that physical defectiveness does have a bearing on the progress of children, but it has been even more conclusively shown that physical defects constitute *a* cause, not *the* cause of retardation.

The new hygiene has before it a great field in which it is destined to splendid accomplishments in conserving the physical soundness of the rising generations. Medical inspection, through its detection and exclusion of contagious diseases, is

*"Exempt children," *i.e.*, those whose school work is thoroughly satisfactory.

preventing much misery and saving many lives. The school doctor in his study of the physical welfare of the children will make easier, happier and more successful the lives of many thousands of pupils. But when this has been said the limited possibilities in this field have to some extent been indicated. The old-fashioned virtues of industry, application, intelligence and regularity still hold sway, and among the reasons for poor scholarship are still to be found such old standbys as age upon starting, absence, laziness and stupidity.

Wisconsin.

The State Board of Control of Wisconsin makes an important reference to the problem of the Feebleminded in that State.

We deem it our duty to further call your attention to the situation regarding the feeble minded. Attempt has been made during the past year to secure a census of the defectives of the state. Blanks containing queries regarding the number, conditions, parentage, etc., of the defectives were sent to every institution, every town clerk and every doctor, in the state. Much difficulty was experienced in getting returns. The returns received, however, intelligently studied, show the existence of at least three thousand of these defectives, at least two thousand of them not cared for in institutions. Of this number three hundred will be cared for soon at the Home for the Feeble Minded in the new buildings now nearly completed.

It is clear that if all this class could be segregated and cared for until past the age of procreation, a great deal of suffering and sorrow could be saved to the people of the state and the growth of this burden on the community could be checked. It is earnestly recommended that steps be taken by this legislature to locate and begin the construction of an additional home for the feeble minded somewhere in the south-eastern part of the state.

Mentally Defective Children in Philadelphia.

The Bureau of Health in Philadelphia has made a census of mentally defective school children:

Dr. Walter S. Cornell, of the health department: District Superintendent Oliver P. Cornman, of the Department of School Superintendence, who succeeded in securing the desired information from every one of the 240 schools of the city, thereby making the census complete; Dr. Abbott, chief of the Bureau of Health, and Superintendent Brumbaugh, united their efforts to make this census a success. The school population of Philadelphia is 150,000, and the results were as follows:

Feeble minded children who should properly be in custodial institutions, 442.

Truant, incorrigible and vicious children, or defective mentality, who should be segregated in special schools, 447.

Truant, incorrigible and vicious children, of fair mentality, who should also be segregated in special schools, 1,131.

Backward children, who require instruction by special methods in small special classes, 2,920.

Dull children, who would be benefited by special instruction but who do not absolutely require it, 6,603.

The general accuracy of the report is shown by the close correspondence of the census figures contributed by each of the eleven school districts of the city. It is also interesting to note that the total number of children stated to be defective

(11,543) agrees well with the number of children two or more years below grade (9,969) because of failure of promotion. The latter number was determined in 1908 by Superintendent Brumbaugh, the inquiry revealing also the fact that 483 children who had been three or more years in grade were included in this number.

The congregation and stagnation of the defective groups in the primary grades are well demonstrated. Of the 4,770 children (groups I, II, III, IV) who require special educational methods, only 687 are in the grammar grades, while 4,053 are primary pupils.

The truant and incorrigible children (groups II and III) are also shown to remain largely in the primary grades. Thus 1,277 of these children are in the primary grades against 301 in the grammar grades, a proportion of four to one, which is double the ratio of the primary to the grammar school population. Such a proof that crime and ignorance are usually associated is a strong argument for the prevention of wrong-doing by adoption of teaching methods suited to the individual capabilities and needs of children.

The primary grades are perhaps the most important part of our school system We should give more serious attention to our public school beginners.

Training for Teachers of Special Classes.

It is hoped that this Report may be useful for reference to Boards of Education, teachers, and others interested in education, and in philanthropic work, and therefore reference should here be made to the Vineland Summer School for Teachers, conducted by the New Jersey Training School for Feeble-Minded Girls and Boys, at Vineland, N.J., which will hold its eighth session in July and August, 1910.

The purpose of the School is to give professional training to those who desire to teach in the special classes in the public schools and to fit teachers and others to better understand peculiar, backward and "special" children. The course covers a period of six weeks.

Those who teach "special" classes or those in whose rooms are apt to be many defective and backward children, need a first hand acquaintance with typical cases, and should have pointed out to them by experts the special problems of the defective, the promising symptoms, as well as the dangers and pitfalls.

With such a teacher in charge, the special class is an assured success; otherwise it must be, to say the least, not so satisfactory. There is, of course, no place for such training like an institution for the feeble-minded.

The New Jersey Training School is near Vineland, which is thirty-four miles from Philadelphia, and is one mile from the railway station on the trolley line between Millville and Vineland.

The grounds, shops, barns, dairy and other buildings are open to visitation and inspection, and every facility is given to the members of the classes to see the children at work, at school, at home, and at play.

The work of the Summer School is carried on along three main lines:

1. Observing and teaching the children in their school rooms. This is under the direction of Mrs. Alice Morrison Nash, who has been for eight years Principal of the School Department.

The students spend one hour daily in the regular class rooms with a group of selected pupils to do practice work. Elementary work in basketry, wood-working and pyrography, special sense training, sewing and knitting, clay modelling, and

kindergarten (including technical room work and games and plays), and the regular school branches are given.

Certain periods will be devoted to observation in the vocational training classes.

In order that all of the students may have a fuller knowledge of the elements of the branches that have been found of value in training "special" children (those who are not usually taught in Normal Schools; basketry, wookworking, etc., etc.) there will be class periods of two hours each week, when these will be taught.

For those who wish it a period will be assigned for band work.

2. Examining, testing and studying the children individually. This is conducted by Dr. Henry H. Goddard (A.B., A.M., Haverford; Ph.D., Clark University), who has been for three years Director of the Research Department.

This work centres in the Laboratory. Students will carry on special investigations with a number of children, and make complete examinations of at least four children. The value of the various pieces of apparatus is learned by actual use, practical tests of mental capacity made, and everything possible is done to enable the teachers to learn how to know and understand "special" children.

3. Lectures, quizzes and assigned reading. This is under the direction of the Superintendent, who is assisted by the members of the Faculty and specialists in various lines of related work.

The Laboratory comprises a suite of six rooms on the second floor of the Industrial Building. Here are found materials and apparatus for studying and testing the children.

In the main room (where are given also the lectures by Dr. Goddard) are the ataxiagraph, ergograph, tests for color and for form, tapping, precision, and other tests of motor control. Here, too, is the Psychometer (Psycho-galvanic apparatus, Jung) and the new eye-sight test.

In the next room is the anthropometric apparatus, including the Spirometer and Smedley Dynamometer. Next to this is the Director's office, where are kept the records, the magazines and reference books. Here are also the papers and blanks for the more purely intellectual tests; also the new McCallie Audiometer for testing hearing. Other rooms are used for special tests and individual examinations.

The magazine literature now includes Journal of Psycho-Asthenics, Journal of Abnormal Psychology, Psychological Clinic, Psychological Bulletin, Journal of Philosophy, Psychology and Scientific Method, Pedagogical Seminary, American Journal of Psychology, Science, Popular Science Monthly, Training School, Eos, Die Gesundheitswaerte der Schule, Journal de Psychologie normal et pathologique, Rivista di Psicologia Applicata, Die Kinderfehler, Archives de Paychologie, Zeitschriff fur Pedagogische, Psychologie, etc., Le Progres Medical.

Past experience has shown us that the greatest good can only be accomplished by having all of the students live in the institution, and therefore the number is limited.

The following classes of students are admitted to the course:

a. Public School teachers who have had Special Classes, or who are contemplating taking up such work.

b. Superintendents, professors and students of psychology and pedagogy who wish a direct personal knowledge of this phase of their subjects.

c. Teachers and trainers from other institutions.

d. Such other workers with children as are suitably equipped and will profit by the course.

e. Any teacher who desires to have what this course can give as a practical contribution to general pedagogy.

A special examination may be required of those not holding credentials from Training or Normal Schools, or a regular teachers' license.

The fee for tuition for the course is $25.00.

The charge for board and lodging for the six weeks is $25.00. This does not include laundering.

The following notes may be of interest:

1. The Superintendent will lecture one hour a day on the general subject of Mental Deficiency.

The history, care, treatment, and training of these children.

The causes, diagnosis, and prevention of this condition.

Allied defects; blindness, deafness, epilepsy, paralysis, and insanity.

The aim and results of our work and its bearing on sociology and education.

2. Dr. Goddard's lectures will cover the following points:

How to test a feeble-minded child to determine the degree of defect.

What progress can we expect from the various grades of children.

The relation of the physical to the mental in defective children.

Heredity and what it teaches us.

The mental possibilities of the various types of feeble-mindedness.

Why attention is weak and what is to be done.

The value of sense training.

Relation of feeble-mindedness to insanity.

The various forms of aphasia in the feeble-minded and their significance.

Rhythm and the value of music.

What can be done to train the will.

Right and wrong methods.

Methods of discipline.

What shall we teach? How?

The rate of growth and its significance.

The fatigue curve and its relation to instruction and discipline.

Measuring the emotions.

How do manual training, basketry, knitting, number work and other possible studies develop and train the mind.

The psychology of happiness.

The psychology of plays and games.

The place of habit among the feeble-minded.

The psychology of learning.

The significance of memory.

The idiot, the genius, and the idiot savant.

3. Mrs. Nash's daily lectures will bear particularly on the practical work of training. They will embrace:

Methods of teaching the regular branches, reading, nature work, sense training, etc.

The most satisfactory approach to the manual arts, wood-working, basketry, etc.

Plans for discipline.

Entertainments and their value, and outlines for programmes.

Games and play and their relation to health and physical work.

Free discussion in all the lectures has always made them particularly valuable.

Courses for Special Teachers in New York University.

Another summer course for teachers of special classes is that at New York University, known as the Summer School at University Heights, which is not in connection with any institution for the feeble-minded, and is held in July and August.

The following are the courses:

S20. *The Psycho-Physiologic Nature of the Child.* Laboratory of Biology, 9.30-10.30.

Doctor Macy.

This course is designed to give practical help to teachers of all grades in understanding the relations which normal physiologic development and function bear to the evolution of the mental faculties of the child. The physiologic importance of perfect nutrition as an aid to inducing satisfactory educational results, together with some simple tests for determining conditions of malnutrition, will be discussed. Special attention will be given to the physiologic basis of psychologic powers, and the use that may be made of these powers by the intelligent, observant, and skillful teacher. The stages of development reached by the normal child at given ages will be pointed out. A study will be made of the relations of the special senses to the education of normal children, and the developmental alterations, which may be caused or aggravated by school work, will be noted. Physiologic and hygienic problems of development preceding and during pubescence, as well as the signs of fatigue and its effects on the development and on the psycho-physiologic powers, will be considered. Wherever possible the course will be illustrated by lantern slides, wall charts, anatomic specimens, animal and human brains, and sections, and miscroscopic slides. An elementary knowledge of physiology is a prerequisite for students taking this course.

S21. *The Pathologic Child: An Educational Problem.* Laboratory of Biology, 10.30-11.30.

Doctor Macy.

Considerations of General Pathology.—The preliminary lectures of this course will be devoted to the consideration of the lack of harmony resulting from alteration in the physiologic functions of the body, and the effects, upon educational capacity and receptivity, of these pathologic conditions. Special attention will be given to the means for early recognition, and for the classification of such derangements by educators, and to such hygienic measures as are usually at their hand for the prevention or improvement of such abnormal states.

Pathology of Crippled and Deformed Children.—Pathologic conditions found among crippled children will be the topic of the second group of lectures in the course. Special attention will be paid to the causes and classification of such conditions as are found, as well as to the hygienic environment over which the educator has control, and which may be made available to counteract existing pathologic conditions. The problems of the care in school and the specialized education necessary for these pupils will be discussed.

Pathology of the Special Senses and Speech.—The third series of lectures will be devoted to the consideration of the causes and effects of partial deafness, eye defects, speech defects, and abnormalities of other special senses, their recognition

and care in the schoolroom. There will also be a discussion of the problems of education of the sense defectives, such as the deaf, the blind, etc., and special emphasis will be placed upon the effect which the pathologic conditions present have upon the mental powers of an otherwise apparently normal child.

Pathology of Mental Deficiency.—The final lectures of the course will treat of the causes, classification, means of recognition and educational care of the mental defectives. The special problems of public school treatment of this class of pathologic child will be carefully presented and discussed as fully as the time permits. The importance of the differentiation of the mental defectives, the incorrigible and the truant child by the superintendent, principal or teacher will be considered, and the necessity of their "diagnosis," being subsequently confirmed by a specialist with medical, psychological and pedagogical training, will be pointed out.

This course is designed for directors, superintendents and graduate students of education; others may be admitted if satisfactory evidence of qualification is furnished, by obtaining special permission from the Director of the Summer School. A preliminary knowledge of physiology is a prerequisite.

Germany.

Germany in 1905 had 230 schools for Defective Children in 150 German provinces, registering 15,000 children. That this enormous material furnished an enviable opportunity for studying the origin and antecedents of the various forms of degeneration encountered early in life was fully emphasized seven years ago by the illustrious psychiatrist, Kraeplin, and has recently led to some important researches conducted by Eugene Schlesinger (*Archiv f Kinderheilkunde,* Vol. 16, No. 1). As reported in *The Medical Record.*

The analysis by this careful investigator of the past history and antecedents of 138 defective school children showed that in 27 there was no predisposing event that could be considered sufficiently important to have causative relationship to the present defective condition. In 24 per cent. of the remainder there were unmistakable evidences of degeneration in the brothers and sisters. In 17 per cent. of the cases truancy may have accounted for the mental backwardness, while in 13 per cent. this was attributed to conditions associated with abject poverty in the home. In most of these cases alcoholism in the parents was a coincident circumstance, but its causative role was distinctly apparent in only 2 per cent. of the cases. Ten per cent. of the cases revealed a neuropathic inheritance, but many of these cases could be explained on the basis of severe antecedent illness in the child, particularly nervous diseases, such as epilepsy, cerebral paralysis and cerebral syphilis, and also tuberculosis, diseases of the eye, or to the severe disorders of infancy. In 6 per cent. the defective condition was closely linked with defect in speech, in 5 per cent. with psychopathic deficiencies, while only rarely was deafness found to be a cause. In contrast to these etiological factors, only seldom did birth traumatisms, injuries to the head during early childhood, and atrophy of the thyroid, play any role, while the fact that hypertrophied tonsils were so widely prevalent excluded these as important factors in the production of the defective condition. In only 3 per cent. of the cases was the condition purely hereditary, and in 8 per cent. purely acquired, while in the remainder hereditary and acquired influences were both operative. In these, however, the acquired factors predominated.

The above figures are significant, for they emphasize the eminent importance of environment, and the urgent need of early prophylaxis in diminishing the ranks of the school defectives.

Greater Britain.

The needs of mentally defective children are being recognized and must soon be dealt with in different parts of Greater Britain.

In the First Report of the Medical Branch of the Education Department of Tasmania the following statements occur in the Report of the Chief Health Officer of Tasmania, and of his assistants. The total average school attendance in Tasmania is 14,464.

Mental Defects.—Seventy-one mentally deficient children are recorded, the proportion in Launceston Schools being strikingly low. This somewhat remarkable variation between the two cities was specially enquired into, but was found to be correct. The children so recorded are not imbeciles or idiots, but are incapable of benefiting by the ordinary methods of teaching.

The remarks of Drs. Halley and Clarke on this subject merit serious attention, and the provision of some special teaching appears to be required for these children. At present, as Dr. Halley points out, many of them are "doing no practical good at school, but are only hindering the teachers and distracting the attention of the other children." They are also taking up much needed air space, and in a few cases are liable to become actively dangerous to their fellow scholars. Dr. Clarke gives some very definite instances in point.

Nova Scotia.

Those citizens who have worked for the welfare of the mentally defective in Nova Scotia had a most encouraging audience with the Government of Nova Scotia on March 9th, 1909, on the Feeble-minded. Three members of the Moral and Social Reform Council were appointed to act as a Committee with three members of the Government, and to investigate, and formulate a plan. The Government already have land that is available.

There is no doubt Nova Scotia will deal with this matter in the near future.

Great Britain.

The national greatness and vitality of Great Britain is in nothing more clearly shown than in the fact that she has set herself to the Titanic task of doing something for the thousands of feeble-minded, who, as completely unknown and unnoted as the tares in the field, have increased and multiplied in the "Power-House of the Line." The problem with us is easy and within control compared with what it is in Britain, but we seem to think we can do it any time. The statesmen of Great Britain would give much for our chance.

From one of the officials at Starcross in the Christmas of 1909 came a letter saying:—

"Things are beginning to move in England. Meetings have been held all over the country to demonstrate the need of continual care of the Feeble-minded. An eminent worker in the field, who, for years has been a devoted adherent of the Special School System, and has, after a long visit here, become a convert to our opinion that Institution life, with its constant care, is what is required for these poor little mortals.

"I trust your work is making good progress."

The Annual Report of Starcross is most interesting, and shows how its good work grows.

Public opinion in Great Britain, the freest country in the world, begins to demand some restraint of those whose children, if they have children, will be feeble-minded. *The Nation*, a fairly good index of public opinion, says:—

"It is more humane to achieve this end by restraints on marriage than by leaving the unfortunate victim of an hereditary taint to die, while conversely it is not right to enable him to propagate the disease. In this limited field eugenic principles may, with suitable safeguards, find their application: Miss Dendy, who has devoted many years to the care of thee Feeble-minded—the class bordering on idiocy, but just above the line—believes that they do more to recruit the class of "unemployable" and to depress by their competition the economic status of the casual laborer than any other single cause. The weight of authority is on the side of the opinion that feeble-mindedness is largely an hereditary condition, and, if this is so, to provide permanent institutional care for this unhappy class, involving restrictions on marriage, would seem neither inhumane nor, if a suitably stringent definition of feeble-mindedness be laid down, an unjustifiable interference with liberty. The duty of refraining from marriage where there is a marked hereditary taint of very grave character, such as insanity, has long been recognized. So far as eugenics is merely emphasizing this duty and seeking to extend and define it by some systematic research into heredity, it can only do good service."

Associations to Help the Feeble-minded.

More sympathy and more support seem to have been given to these Institutions this year by the British public. More people are interested in them, and their work is extending. Among others may be mentioned the Conference of Committees for the After-Care of Feeble-minded Children, at Leicester, in October, 1909, where there was a numerous attendance of delegates from all parts of the country. Dr. Astley V. Clarke, Chairman of the Leicester After-care Committee, briefly explained that the object of the organization was to keep in touch with young persons of both sexes whose intellects were subnormal, and who had been provided by the State with a modified form of education in special classes. Such State care extended only till the age of 16; hence the necessity for after-care committees to follow up the cases. Adequate care of this class was well-nigh impossible without increased powers of control and detention, and even if these were granted by the State, there would be need of voluntary workers to secure the best results.

Sir William Chance contributed a paper dealing with the growth of after-care committees and summarizing their returns: the number of cases reported on this year was 2,185, as compared with 1,373 in 1908 and 1,037 in 1907.

Dr. G. H. Savage, speaking on "The social dangers of Feeble-mindedness," said that neglect of the Feeble-minded as such tended not only to the misery of these unfortunates, but to the harm of the public at large, for they gravitated into remand homes, houses of detention, convict prisons, and criminal lunatic asylums, where they formed a considerable percentage of the inmates. Therefore they had evidence enough to justify society in protecting itself, and in protecting itself it must begin at the very root. If good were to be done in preventing the frequently recurring fatuous and irresponsible crimes and offences of mentally-defective persons, it must be by continuous observation and control, and, when necessary, by permanent detention.

National Association for the Feeble-Minded.

The annual meeting of this association was held at the Mansion House on May 13th, under the presidency of the Lord Mayor of London.

Dr. Savage, in an opening address, emphasized the national importance of the question in view if the alarming increase of the Feeble-minded class, which had been estimated as numbering, in England and Wales alone, about 140,000, of whom some 66,000 urgently needed special provision. Inasmuch as heredity was the preponderant factor in causation, and "prevention was better than cure" (which, indeed, was impracticable), the only remedy seemed to lie in the adoption of measures for the early detection of the unfit and the prevention of their propagation.

Mr. Montague Crackenthorpe, K.C., pointed out that, both from the humane and the economic aspects, it behoved society to protect itself from the criminal tendencies into which the uncared-for Feeble-minded so often drifted. An industrial farm colony, such as was contemplated by the association, would meet a great social want.

Mr. W. H. Dickinson, M.P., moved a resolution expressing the opinion that the facts brought out by the Royal Commission proved the existence of a grave national evil urgently requiring to be remedied, and pressing upon the Government the need of early legislation on the lines of the Commissioners' recommendations.

Lady Frederick Brudenell-Bruce seconded the resolution.

Dr. A. E. Tredgold, speaking from experience, said it was high time for the nation to stem the advancing tide of degeneracy, instead of dwelling simply upon the glories of the past. Unfortunately, feeble-mindedness did not tend to sterility; indeed, he had found a larger average of children in degenerate families than in others (7.3 as compared with 4.63), and unless means were speedily adopted to check the increase of the unfit, national decadence seemed inevitable. Their propagation must be prevented, and their happiness and freedom from criminality secured, by early training and permanent segregation with useful employment in an industrial colony such as it was the ambition of the National Association to establish.

The thirteenth annual report of the association shows that during 1908 there had been a steady expansion of its work. New centres around London and in the provinces had been organized, additional homes affiliated, and local after-care committees had been co-ordinated in their methods, and their results compared and tabulated. The honorary medical staff had been strengthened by the addition of several provincial consultants; and lectures had been given under the auspices of the Education Committee. The Colony Fund had benefited by an increase of £1,514 during the year, and altogether about £3,000 seems now available for this object. Much more, however, is needed.

There are now, under the National Association for the Feeble-minded and other voluntary organizations between thirty and forty permanent Homes and Institutions in which the Feeble-minded are received. Among these for example, are the Laundry and Houses of Industry at Birmingham:

"To provide safe, and, if needful, permanent shelter for those women and girls who, through weak intellect, have no power of self-protection."

"To provide remunerative employment for such, in laundry work and other suitable industries."

"And to develop the feeling that they are all members of one family, and that they must work loyally for the common good, and for the welfare of the Home which shelters them."

2,000 applications for admission to those Homes have been received during the last 16 years.

The Report of the Royal Commission on the Care and Control of the Feeble-minded.

The consideration of this Report was the chief event of 1909 in regard to the welfare of the Feeble-minded.

At the Annual Meetings and stated meetings of the Managers and Board of Guardians of Charitable and other Institutions which had any relation to the Feeble-minded, it was constantly discussed and criticised and reviewed, and efforts have been made to secure legislation founded upon it. An abstract of it has been published with comments by Francis Galton, F.R.S., Miss Mary Dendy, and other experts.

With one or two exceptions the recommendations of the Royal Commission have been generally approved, and some steps have been taken to carry them into effect. An important instance of this is the action of the Lord Chancellor of England, as follows: The Royal Commission recommended that there should be one central authority only for the general protection and supervision of all mentally defective persons, and for the regulation of the provision made for their accommodation and maintenance, care, treatment, education, training and control.

In the 63rd Report of the Commissioners in Lunacy to the Lord Chancellor, recently issued as a Blue-book, reference is made to the suggestions in the Report of the Royal Commission on the Care and Control of the Feeble-minded issued last year. They call the attention of the Lord Chancellor to certain reforms in respect of the care of the insane which, on the lines laid down by the Commission, and with only slight amendment of existing Acts, might be adopted with advantage. The points to which they more especially refer, in this connection, are the segregation or restraint of certain classes of persons of defective intellect, especially of weak-minded women and girls, in such a way as to prevent them from becoming parents, and the provision of proper care and restraint for the large number of persons who commit acts which in the eye of the law are criminal and entail punishment, but whose mental condition is not such as to render punishment a suitable method of treating them.

The Lord Chancellor has resolved, as a first step in that direction, that the duties of the Lord Chancellor's Visitors in Lunacy shall be transferred to the Lunacy Commissioners, and that for this purpose the present Visitors shall be added to the Board.

In the words of Dr. Dawson, of Dublin:—

"The recommendations of the Royal Commission are, as we have seen, not perfect—indeed, such perfection would be impossible. But, when all has been said their report remains a monument of industry and a mine of information, and constitutes the only serious attempt to deal with the problem of mental defect as a whole and with a view to prevention as well as cure. Not the least important of its services will be rendered if it forces on the attention of the nation the existence of unpalatable facts to which most wilfully prefer to remain blind."

Deputation to the Home Secretary.

Perhaps the most important public action taken in regard to the Report of the Royal Commission was the deputation to the Secretary of State, Mr. Herbert Gladstone, received by him in September, 1909. The representative character of the organization, as well as its personelle, entitled it to great consideration. It is fully described in the British Medical Journal:

Mr. W. H. Dickinson, M.P., in introducing the deputation, said its object was to urge the necessity for early legislation in order to carry out the recommendations contained in the Report of the Royal Commission upon the Care and Control of the Feeble-minded.

The study of the proper method of dealing with the Feeble-minded had begun some twenty-five or thirty years ago, and the movement had grown rapidly. Those who were engaged in the work of the Charity Organization Society had become convinced that there was hardly a branch of its labours which was not complicated by the problem of the unrestrained and unprotected Feeble-minded. The result had been a national movement, ultimately of sufficient strength to induce Mr. Balfour to appoint a Royal Commission. Anyone who had studied the report of that Commission and the evidence must come to the conclusion that it accurately represented the facts. The evil was a sore in the national life which had been festering for many years. It was easily curable, for all that was wanted was that some body or some authority, should have power to do away with the evil caused by the neglect of the Feeble-minded and mentally defective. Hitherto such persons had only been brought under control for reasons other than their feeble-mindedness—either because they were paupers, or prisoners, or inebriates, or had become in other ways chargeable to the public or brought under the notice of philanthropic associations. If there were one body whose duty it was to deal with such people, a very great deal of the evil could be removed. The deputation was very anxious that the Government should legislate on the subject as early as possible, and suggested that, as the matter was one involving social welfare, there would be no difficulty in the way

Mr. C. S. Loch, of the Charity Organization Society, and one of the members of the Royal Commission, thought the report showed that opinion on the subject was unanimous, and it was indeed astonishing that people gathered from so many quarters were able to speak with such unanimity on the absolute necessity of some action being taken. The segregation proposed was greatly in the interests of the Feeble-minded themselves; they would live under such circumstances, happier lives, would be better cared for, and all that was good in them would be brought out. Continuous supervision was the key to the whole problem. While every effort was being made by philanthropic associations and individuals to deal with the subject, it was felt that the aid of the Government was absolutely necessary, and he therefore most earnestly asked the Secretary of State to press forward legislation.

Dr. Ramsay gave some statistics proving to how large an extent habitual inebriates were mentally defective. In the Lancashire Inebriate Reformatory at Langho, since the opening of that Institution five years ago, 273 females had been admitted, of whom 165 were mentally defective in some degree; 130 of them were married, 106 single, and 33 widows. The system at Langho was to make everyone work who was physically fit, and so successful had that been, that the charge to the committing authority had been reduced from 10s. 6d. to 5s. 3d. a head; and while the percentage of cures had not been raised so much, that of improved cases had. The great difficulty was after-care, and the Lancashire justices were waiting for greater facilities for sending people to inebriate institutions. He pleaded that the mentally defective should not go at large, populating the country with feeble-minded children. He gave figures in support of his argument, and said that statistics showed that many of the people with whom the police had to deal, and who made repeated appearances in the police courts, would be effectively dealt with under the legislation recommended by the Royal Commission.

Dr. R. C. Buist (British Medical Association) emphasized the urgency of legislation. Speaking from his own experience and from enquiries made by the

British Medical Association as to the opinion of the medical profession with regard to the report of the Royal Commission, he was able to assure Mr. Gladstone of the practical unanimity with which it had been received, not only from the point of view of the profession generally, whose experience went to the detail of cases, but also from the expert view of psychologists; he was therefore perfectly safe in saying the problem was ripe for solution.

Mr. C. N. Nicholson, M.P., pointed out that whilst there was legislation to deal with mentally deficient people possessed of property and mentally deficient people who committed crimes, there was no means of dealing with the intermediate class. He instanced, as within his experience when guardian at Shoreditch, the case of a half-witted woman who passed in and out of the workhouse, and gave birth to no less than seven illegitimate children. Probably there were at least a thousand such offspring of feeble-minded people born every year in London, and it was necessary that something should be done to check such an ever-increasing burden.

The Home Secretary said he had listened with very great interest to the speeches which had been made on a most important subject, and made with undeniable knowledge and authority. He recognized that the deputation included those who had by long practical experience acquired practical knowledge of the various ramifications of the great subject-matter which was committed to the Royal Commission for investigation. He was glad to think that there was complete agreement with regard to the questions that had been raised. The present lunacy law was in many respects very good, but in other respects it was archaic. The deputation had given examples which showed that in many directions the labour and energy entailed by the present system did not give adequate returns, and had shown that there were anomalies and deficiencies, and a necessity for reform in organization which ought to be dealt with at the earliest possible date. On all those matters there was general agreement. Speaking quite generally, he gathered that there were two main objects present to the members of the deputation: First, the many classes of weak-minded people who were now outside the unamended lunacy law; and, secondly, that there should be, by reorganization, a concentration of authorities dealing with weak-mindedness in order to produce not only a more uniform system, but a better and completer system throughout the country. The matter, of course, was one of great difficulty; its difficulties were in proportion to its scope, which, unfortunately, was very widespread: it touched the special difficulties connected with the inebriate question and also the general question of criminality—two subjects in themselves very large and very important, which, therefore, complicated to a considerable extent what he might call the main issue. There was difficulty by reason of the number of public authorities, and also in the immense number of private interests concerned, and the difficulty was further increased by the ever-present question of cost. However, there was general agreement that early legislation was the only remedy, and the earlier it came the better. The Royal Commission had issued a most admirable report, and he took the opportunity of expressing to that Commission, in the presence of some who served on it for so long a time, his sense of the patience, care, and ability which for long years were brought to bear on such difficult problems, and of the very admirable report which was the result of those labours. It was one thing to be in general agreement, however, on the main lines of the report, but experience always showed that as soon as a bill was introduced, difficulties, expected and unexpected as well, arose. Such difficulties were, however involved more or less in every attempt at legislation, and they were difficulties which had to be overcome. It was a matter of very great satisfaction and import-

ance that the Lunacy Commissioners were in general agreement with the report of the Royal Commission. Further, he thought it might be said that responsible people throughout the country were similarly in general agreement with the views of the Commission. So far as his department was concerned, it was ready to do all it could to meet the wishes of the deputation. The report of the Commission touched his department very directly; crime in relation to weak-mindedness was a constant problem, and he and those associated with him were all aware of the close connection there was between crime and weak-mindedness, and were also painfully aware of how entirely inadequate was the present system of treating crime, having regard to its due relation to the question of feeble-mindedneess as a cause of crime. Therefore the Home Office, being directly interested would be only too glad to do everything possible to hasten forward any improvement. But the Home Office was not the only department concerned. He had regretfully abandoned the hope that it would be possible to introduce a bill in the present session. The reason was painfully apparent to every one now serving in the House of Commons, and he was not sure that it would be wise to bring in a bill at a time when there was no chance of making any progress with it. His own opinion was that it would encourage every sort of person to put forward useless opinions and to confuse issues, and, if he might use the expression, "to queer the pitch" for a more practical effort the following year. In conclusion, he said he was in complete agreement with the desires of the deputation, and recognized that in the views of those who had spoken and who were present, representing not only philanthropic organizations throughout the country, with practical experience in dealing with the feeble-minded, but also of the British Medical Association, must carry great weight; and he was, therefore, all the more encouraged to believe that with such authoritative agreement with the Royal Commission's proposals a practical effort could be made next year, and that the Government in any action it might take on the lines of the report of the Royal Commission would have the energetic support and encouragement of all those best entitled to speak on that most important question.

Questions in the House of Commons.

Another significant indication of the course of public opinion is to be seen in the repeated questions asked about the care of the Feeble-minded, in the House of Commons. These have been addressed to the Prime Minister, to Mr. John Burns, President of the Local Government Board, and to other members of the Government in the House of Commons.

The Feeble-minded in Poor Law Institutions.—In April, in the House of Commons, Mr. A. H. Scott asked the President of the Local Government Board if he could issue an order upon all Poor Law authorities to remove or isolate when possible all feeble-minded epileptics, inebriates, imbeciles, and lunatics from other inmates of the workhouses, as recommended in the recent reports of the Royal Commission on Poor Law, and also in the reports of the Royal Commission on Aged Poor in 1895. Mr. Burns said that to the extent to which existing accommodation or additions to existing accommodation in Poor Law institutions might suffice for the modification of present arrangements affecting the classes to which the question referred, the powers of the Local Government Board and of the Poor Law authorities could, no doubt, be exercised in the direction indicated in the question. But for any such comprehensive treatment of the matter as appeared to be contemplated in the Reports of the Royal Commissions, legislation would almost certainly be needed.

Care of Feeble-minded (Royal Commission).—In October, in the House of Commons, Mr. Henry Walker asked whether any legislation was being prepared to give effect to the recommendations of the Royal Commission on the Care and Control of the Feeble-minded, with particular reference to the removal of mentally defective persons from the workhouses. Mr. Burns replied that the initiation of legislation affecting the methods of dealing with mentally defective persons in public institutions would not be a matter primarily for his department; but the recommendations of the Royal Commission on the particular matter referred to in the question would not be lost sight of when any such legislation was proposed.

Care of Feeble-minded.—In the House of Commons in November, Mr. Henry Walker asked the Prime Minister whether, in view of the unanimous recommendation of the Royal Commission on the Care and Control of the Feeble-minded in favour of taking out of the Poor Law all classes of mentally defective persons and of removing the feeble-minded from the workhouses, steps were now being taken for the preparation of legislation on the subject; and whether, in the meantime, care would be taken not to give the sanction of His Majesty's Government to any schemes of local authorities which would involve in any Department expenditure in a direction contrary to the recommendations of the said Royal Commission. Mr. Asquith replied that the Government were alive to the importance of this matter, and he would refer to a statement of the Home Secretary, made on August 31st last, in reply to a deputation. The Home Secretary on that occasion said that, though there might be considerable difficulties in the way of legislation, he was in agreement with the deputation as to the importance of the subject, and that he had ascertained that the Lord Chancellor was of the same opinion; and he added that he hoped to be able to make a practical effort next session in the direction of legislation. In answer to the latter part of the question, he would refer to an answer given on August 27th by the President of the Local Government Board, in the course of which he gave an assurance that he would bear in mind the recommendations of the Royal Commission, but that, pending legislation, he was not prepared to undertake that his sanction should be withheld in all cases in which proposals for new buildings for inmates of the class described might be brought before him.

Finally, in the "Children's Charter," an Act introduced by the Right Honourable Herbert Samuel, M.P., and now upon the Statute Book of Great Britain, we have in Section 58, and Section 62: 2, definite provision that the police shall take action in the case of mentally defective children living under unsuitable conditions, and magistrates are required to commit them to suitable schools for Defective Children.

In the words of Mrs. Inglis, commenting on the Children's Charter:

"Yet another natural outcome of this measure will be to force upon the State the care of the defective after he has ceased to be a child. As with the matter touched upon in the last paragraph, public opinion is coming to see more and more clearly the truth of those who say that the battalions of our idle and vicious loafers are recruited largely from the class who spring from the defective or deficient child. To safeguard the nation and to give these poor wastrels a chance in life, they must be kept from the dangers and perils of freedom, and especially from the chance of bringing families into the world. The Children's Charter says good-bye to the child at nineteen, but some children remain children, or are physically deficient, all their lives. A Government Bill empowering the State to undertake the permanent charge of these grown-up children, and of those who, from physical or moral defect or weakness, cannot hope to battle with the world, would be a natural companion to the Bill already suggested."

All these things show that legislation cannot be much longer delayed.

Report of Dr. James Kerr, Chief Medical Officer to the Education Committee of the London County Council.

No one who knows anything about this, or any other subject connected with the Medical Inspection of Schools, or the welfare of school children, needs to be told that in the Reports of Dr. James Kerr (The First School Doctor), Chief Medical Officer to the Education Committee of the London County Council, is to be found a never-failing source of information and inspiration.

Presented to the London County Council on May 11th, 1909, and covering the twenty-one months ended 31st December, 1908, Dr. Kerr's latest report deals with the London Special Schools and Special Classes, with the welfare of Defective Children generally, and with certain difficult problems requiring research, such as Word-Deafness and Psychopathic Deafness, in a masterly way. Statistics may perhaps better be omitted. What in Ontario is seen writ small is seen in London writ large as follows:

The Intermediate Class.

Are there any children who are not really Feeble-minded and so not fit for a special class, but are yet unable to make progress at an elementary school and would, therefore, be better in an Intermediate Class? In the Special Classes in London five thousand children, about whom this question was raised, were examined and in five hundred and twenty cases the answer was, Yes. They would be better in an "Intermediate Class."

The Special Class a Clearing House.

The real use and chief function of a Special Class for mentally Defective Children is that of a Clearing House.

In such special classes there are a few, from five to ten per cent., who may and do improve so much that they can go back to the ordinary class. These are at the upper end of the scale. They are, or may become, normal, or so nearly normal that they can take their place in the world.

At the other end of the scale are those who are soon seen to be fit only for permanent custodial care, and to that permanent care they should be removed in order to do the best for them. And these again number about ten per cent., and they can do a little useful work, but not much. Under supervision they can, perhaps, pick stones off a field. And of the remaining eighty per cent., about half can do manual work well, and have fair intelligence, and the other half are capable of doing a certain amount of work under constant supervision. But supervision, and that of a permanent character, is required, as will be seen by nearly all.

Special Class of Children Who do not Improve.

This is another problem which the experience of Dr. Kerr and the large number of children studied enables him to deal with. It will be one of the problems which the establishment of Special Classes in this Province will bring to our notice.

The children who are pupils of Special Schools for the mentally defective are defined by section 1 (*a*) of the Elementary Education (Defective and Epileptic Children) Act, 1899, as being those who, not being imbecile, and not being merely dull and backward, are defective, that is to say, children who by reason of mental or physical defect are incapable of receiving proper benefit from the instruction in

the ordinary public elementary schools, but are not incapable, by reason of such defect, of receiving benefit from instruction in such Special Classes or Schools as are in this Act mentioned.

It is very difficult to say how far a child who is not imbecile, is yet incapable of receiving benefit. The following are notes of certain children formerly in the Leo Street Special School:—

1.—When examined in October, 1903, this boy's articulation was very defective. June, 1904, he was unintelligible, had no idea of calculation and had made practically no improvement. June, 1905, he was doing nothing, was in the lowest grade, constantly smiling. June, 1906, his mechanical work was not better than the three R's. March, 1907, he could not count beyond four, hopeless intellectually. January, 1908, he could count up to 10. He is now 12 years of age and his speech is unintelligible to strangers.

2.—This girl was examined in January, 1903. She could not articulate plainly, was said to be quick at housework, but educationally "nil." Said she had two fingers, three heads, but one nose. In September, 1904, she could not step in line. Was of the poorest mental stuff in the centre, was malodorous. June, 1905, very unintelligent. June, 1906, a very low type of intellect not making any improvement in any subject. Was absent at each subsequent visit of the doctor. Reported as making practically no advance.

3.—This girl was examined in September, 1904. She was a tiny, undergrown little girl who knew nothing. In June, 1905, she was aged 10, had only two teeth in the top jaw, her mental capacity was nil; has had operation for tubercular bone. Now over 12 years of age; has to be frequently sent home owing to verminous condition.

4.—This boy was examined in June, 1904, when 8½. Very weak-minded, no power of calculation. June, 1906, power of grasping any point so limited that he will not be equal to an infant within 3 or 4 years. Manual work bad. January, 1908, no advance mentally; now aged 12.

5.—This boy was examined in January, 1905. A defective-looking boy. Said his age was 12; it was only 9. Could not write figure 3. June, 1906, knew a few monosyllables in book. March, 1907, articulation very poor, improvement slight. January, 1908; now 12 years old and his mental capacity shows no advance.

In April, 1908, these cases were submitted to the Special Schools Sub-Committee as, although they could not be certified as incapable of being educated, yet they had made practically no advance in knowledge for many months. The Council ultimately decided in June to exclude these children, as they were apparently incapable, by reason of their defect, of receiving benefit from the instruction given in the school; and further that particulars of the cases should be sent to the Local Government Board and to the Board of Education for their observations. The Local Government Board replied that they had no jurisdiction in regard to children not chargeable to the Poor Rates. The first of the cases was subsequently readmitted on the request of his parents, but later, after careful consideration, excluded on a medical certificate as ineducable. As he is not a pauper he will now run the streets uncontrolled.

Moral Defectives and Permanent Custodial Treatment.—This is still another problem. The necessity for compulsory powers of detention in custodial schools till 16, and later for the rest of life, of certain moral defectives is a most pressing matter. For instance just as we find in cases of pure word-blindness a defect of a particular region of the brain, sometimes as a hereditary failing which may occur in children normal in other respects, or combined with any amount of other defect, from mere dulness to low grade mental defect, imbecility, or idiocy, so cases are found of morally defective children, who vary in mental capacity from some cases which are exceedingly clever in other respects, to children who are so bad as to be classed as imbecile. Very commonly through such individuals being on what might be considered as a lower scale of mental development than normal the emotions are much more developed relatively than the intellectual qualities which give restraint, so that they are exceedingly plausible in speech, and have a peculiarly attractive gift of adapting themselves, smiles or tears being available

with equal ease according to their environment. There are great differences in the way the defect is manifested. It is almost impossible yet to classify them, but a provisional arrangement might be made into (*a*) Passive, (*b*) Active.

(*a*) Passive cases (only passive trouble in school conduct).

I. Children who have irregular but recurrent outbursts showing moral defect in slight degrees amounting to uncontrollable bad temper; often with a complete heedlessness of all correction or advice, and very often a tendency to roam or wander away. These cases are probably of an epileptic nature and require detention and are to be regarded as cases of disease.

II. Children who seem merely not to be amenable to discipline. This is a large class and I think a very large proportion would be taught habits of obedience by regular and inflexible corporal punishment. Most of them are subjects for industrial training later on, but they often present other defects, *e.g.*, wordblindness.

(*b*) Active cases (active troubles to the teachers).

I. Children who are only differentiated from the first of the class above by their violence and destructiveness in their outbursts of rage almost unprovoked at times and quite irregular. For the greater part of their time such children are inoffensive, sometimes clever, often dull, stupid or even sullen, but in a rage behave as uncontrollable lunatics. They are, however, comparatively rare.

II. Murderous tendencies from pure cruelty. Quarrelling, pinching, biting others. Infliction of cruelty on young children or killing of animals. In particular cases these children are very objectionable in school. Manslaughter has been committed by children of innocent, pleasant, and in one case almost angelic appearance. There is every grade of mental attainment among these children afflicted with this lust of cruelty.

III. Interference with the opposite sex shows itself in boys, but most objectionably in girls. There is every grade from the natural attraction of the sexes to the most flagrant and offensive behaviour requiring the attention of the police. Here again, mental capacity may vary from children who are quite normal in school work to those who are low grade mental defectives. This particular type of girl is most difficult to deal with. It is of vital importance to place them in residential schools and separate them from other children of the same age, because though numerically few, they constitute a most vicious element, a leaven of evil among the girls with whom they are compelled to mix. It is principally for the sake of others that this policy is proposed.

In the case of the low grade girl it seems a pressing question, whether with her defects and her tendencies, she is not likely to become a mother in an exceedingly short time, and this is very probable. There is also the other question that very many of these children live in bad homes, and in some cases may be expected not to be shielded, if they are not even abetted by their friends. The question of saving the last class of children from what is called moral contamination is hardly worth consideration. Apart from their bad school influence the case of the low grade girl with strongly marked sexual tendencies can scarcely be separated from the case of any other defective child. Many of them are good looking, apparently healthy children, but all are likely in early adult life, within a comparatively short range of time, to propagate their defects, some classes perhaps earlier than the others, but for this particular reason there is hardly any ultimate benefit from segregating one class more than the others. Any segregation is therefore really on

account of mental defect, not on account of purely moral defect; otherwise the standard VII. girl with immoral tendencies would also want segregation, which no one would propose. Moral defect, as pointed out, may exist with comparatively good mental development, and there is no suggestion of segregating such individuals although they may be just as likely as others to add to the unsociable elements of the future population. It might also be suggested that in this particular class with very strong desires and passions for the other sex, exclusion from the satisfaction of these desires and passions by segregation would be an injustice which they have not deserved.

A much more humane and scientific idea than mere segregation and more economical to the State would be to deprive such individuals of the objectionable powers and capacities, at the same time relieving them of the passions and desires, before the time at which these develop.

Dr. Kerr's comments on the report are in part as follows:

The Commissioners recommend that all mentally defective children should be taken from the care of the Board of Education and placed under the Board of Control. Such proposals would lead to great difficulties in practice which may be mentioned here. There is no hard and fast line between the borderlands of normal mental conditions and feeble-mindedness, and to say that a doubtful case must pass under the authority of the Board of Control with all that implies would in very many cases be a great injustice which would be successfully resisted in the courts. It is almost impossible to make anything like a correct diagnosis at early ages; even in the infant department the diagnosis of feeble-mindedness, if attempted, would be wrong in a large proportion of cases. The proposals of the Commissioners would lead to a double set of medical officials invading the schools. The school doctors associated with the sanitary service, and an entirely different set with different training and experience, *e.g.*, the doctors under the Board of Control associated with lunacy. The same officials could not serve in a double capacity, on account of the quite different work in other respects required from them. There would be frequent conflict of opinion and certificates. As has been elsewhere pointed out, the tendency of legislation has been in accordance with the doctrine that any interference on the part of the State, through the local authority or otherwise, with a child between the ages of 3 and 16 is interference for the purpose of promoting the development of the child, mental, moral, or physical, and that whatever may be the mental condition of the child, such promotion comes fairly within the scope of education.

The Good Citizen and the Feeble-minded.

Long before our own time, the dangers of the Feeble-minded have been recognized by all good citizens. They are touchingly expressed in a prayer of the seventeenth century:—

A Prayer to be used in behalf of Fools or Changelings.

By Jeremy Taylor.

1613-1667.

> O Eternal and most blessed Saviour Jesus, who art the wisdom of the Father, and art made unto us wisdom, righteousness, sanctification, and redemption, have pity upon the miserable people to whom Thou hast given life and no understanding.

> Thou didst create us of nothing, and gavest us being when we were not, and createdst in us capacity of blessings when we had none, and gavest us many when we did not understand them; Thou bringest infants from the womb, and from the state of nature to the state of grace, and from their mother's breasts Thou dost often convey them to the bosom of Jesus, and yet they do nothing, but Thou art glorified in Thy free gift. O be gracious to all natural fools and innocents, for Thou hatest nothing which Thou hast made, and lovest every soul which Thou hast redeemed; we that have reason can deserve heaven no more than these can; but these do not deserve hell so much as we have done. Impute not to them their follies that are unavoidable, nor the sins which they discern not, nor the evils which they cannot understand: keep them from all evil and sad mischances, and make supply of their want of the defences of reason by the special guard of angels; and let Thy obedience and Thy sufferings be accepted, and Thy intercession prevail for them; that since they cannot glorify Thee by a free obedience, Thou mayest be glorified by Thy free gifts and mercies to them; and for their destitution of good in this world, let them receive eternal blessings in the world to come, through Thy mercies, O eternal and most blessed Saviour Jesus. Amen.

Modern Christianity and citizenship grows more practical as the world grows better. What we can and should do ourselves for the Feeble-minded we must not now, in the Twentieth Century, pray for "the special guard of angels" to do.

The Mother of Us All.

And who will mother these weak and helpless children? Who but that Parent State, whom the Greeks endowed in their classic imagination with some of the attributes of Deity, and whom Christian statesmen and citizens rejoice to see slowly acquiring through long years some far-off resemblance, at least in its ideals, to that Jerusalem from above which is the Mother of us all. Among ourselves, among our English-speaking kindred about the Seven Seas, and over the international boundary line of this continent, and in almost all civilized countries, we have already state institutions where devoted men and women help to fulfil the duties of Christian citizenship by parental care of just these weak and helpless children.

We have printed the words of Dr. Fernald. Let us set beside them the words of the Editor of *The Survey*, speaking of the work of Mrs. Fannie F. Morse, Superintendent of the Industrial School for Girls at Lancaster, Mass., another good authority on the feeble-minded.

"The border line cases of defectiveness among girls constitute the greatest danger in the way of increasing numbers of degenerates. It is one of the imperative duties of the mother state to care for these, her weaker children, who are so unable to care for themselves.

"Here is the story of cases of 'successful' placing out of such girls from one of the best institutions in the world for delinquent girls, the Industrial School for Girls at Lancaster, Mass. Is there need of argument to convince every intelligent citizen that these poor creatures should be safely mothered as long as they live?

"Twenty-one of those whose capacity for self-direction and self-support is a question, are 'paroled and successes':

"But how pitiful has been the success of those classed above as 'successes.' Two of them have had an illegitimate child, but have since married and are good though not efficient mothers; one has married a wretchedly poor widower with a family for whom she has neither the willingness nor the ability to care; eight were practically never let out of sight, and it is hard to believe that they will not go wrong when looking out for themselves; nine others were kept safe with a degree less of care, but the outlook for them is not bright; one has been four times returned to the school and has had fourteen different places. Among the thirty-nine classed as 'failures in various degrees' are twenty-one who are now of age, of whom four have each had two illegitimate children; three have each had one illegitimate child, and ten have been unchaste, of whom two have been in Sherborn prison. Three of the above girls are married—all wretchedly. Of the remaining seventeen who are still on parole, one has two illegitimate children and five have one each."

The only present refuge is the school for the feeble-minded at Waverly. There they are happy with scarcely any restraints. The life there is wholesome and keeps them straight, and so long as they are so environed it is well. But, says the report: "The point of interest for the future to develop will be whether these girls will really be detained through the child-bearing period of their lives. . . . The question of the ability of a Feeble-minded School to handle girls of this class has been demonstrated; and their fate if sent out into the world has been demonstrated, too, beyond a peradventure." And this the deduction of experience.

Conclusion.

The previous Reports of this Department on this important subject have met with support from the citizens of this Province and from other Canadians, as well as from fellow-workers in other countries. This question of the welfare of the Feeble-minded is not the only question, nor at present the most important question with which this Department is at present concerned. The question of Prison Reform, the question of Modern Methods for studying and caring for psychiatric patients, the whole direction of Charitable and Philanthropic Institutions in the Province, and the direction and fostering of Preventive Efforts for the benefit of the neglected children of the Province must have a first place. But the question of the Feeble-minded is in direct and partly causal relation with every one of the above mentioned questions, and it is recognized as such by you, Sir, and by the officials of your Department.

I venture to express the hope, Sir, that your wish to deal with this question at an early date, as expressed to His Worship, the Mayor of Toronto, and the large and influential deputation which accompanied him last year, may be realized, and I desire to thank you for the opportunity to work at this problem, and to lay the results before you.

I have the honour to remain,

Sir,

Your obedient servant,

Helen MacMurchy.

December 31st, 1909.

FORTIETH ANNUAL REPORT

OF THE

INSPECTOR OF PRISONS AND PUBLIC CHARITIES

UPON THE

Hospitals and Charities, Etc.

OF THE

PROVINCE OF ONTARIO

BEING FOR THE YEAR ENDING 30th SEPTEMBER,

1909

PRINTED BY ORDER OF
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PARLIAMENT BUILDINGS,

TORONTO, DEC. 1ST, 1909.

To the Honourable JOHN MORISON GIBSON, *a Colonel in the Militia of Canada, etc., etc., etc., Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

I beg to submit herewith the Fortieth Annual Report upon the Hospitals, Refuges, etc., of Ontario, being for the official year ending September 30th, 1909.

I have the honour to be,

Your Honour's obedient servant,

W. J. HANNA,

Provincial Secretary.

Office of the

Inspector of Prisons and Public Charities, Ontario,

Parliament Buildings, Toronto, Nov. 15th, 1909.

Sir,—I have the honour to transmit herewith to be presented to His Honour the Lieutenant-Governor, the Fortieth Annual Report upon the Hospitals, Refuges, etc., for the official year ending September 30th, 1909.

I have the honour to be, Sir,

Your obedient servant,

R. W. BRUCE SMITH,
Inspector.

The Honourable W. J. Hanna, M.P.P.,
Secretary of the Province of Ontario,
Toronto.

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Hospitals, Refuges and Orphanages.

In presenting the fortieth annual report on the Public Hospitals, Refuges and Orphanages for the year ending September 30th, 1909, I beg to state that there are at present in Ontario:—

71 Hospitals.
34 Refuges.
32 Orphanages.
3 Homes for Incurables.
2 Convalescent Homes.
2 Magdalen Asylums.
28 County Houses of Refuge.

They have received official visits of inspection during the year and those entitled to Government aid in accordance with the terms of the Charity Aid Act have shared in the grants voted by the Legislature for Hospitals and Charities.

The Hospitals.

The records of the year indicate the continued success and progress of the Hospitals of Ontario:

Number of patients in the hospitals, October 1st, 1908	3,097
Number of patients admitted during the year	43,113
Number of births in the hospitals during the year	2,578
Total number under treatment during the year	48,788

The above figures do not include those who received medicine and treatment as outdoor patients.

Number of deaths during the year	2,963
Percentage of deaths to number under treatment	6.07
Total number of days' stay in the hospitals	1,069,534

Provincial grant to hospitals	$149,853 18
Amount received from all sources	1,288,180 47
Subscriptions, donations, etc.	167,947 48
Total expenditure for hospitals (including capital account $314,947.51)	1,594,751 27
Average cost for each patient per day	$1.23
Percentage of Provincial grant to total maintenance expenditure	.1171

The expenditure for the support and maintenance of the hospitals of Ontario of $1,594,751 during the past year indicates a spirit of philanthropy that speaks well for the Province. New hospitals have been opened at Welland, Almonte, Port Arthur, Fort William and Ingersoll. In many of the older institutions there have

been structural alterations and additions made that have greatly improved and extended the accommodation provided for the care of patients. The number of patients admitted during the year, 48,788, is larger than ever before, and is satisfactory evidence that the hospitals are appreciated to a greater extent and that the confidence of the public in these local institutions and the work they are doing is increasing.

Provincial Aid to Hospitals.

1. A Provincial grant is made for all patients in a hospital during the first ten years of its existence at the rate of twenty cents per day, irrespective of what sum is contributed by the patients themselves.

2. After a hospital has been in existence for ten years the grant is paid only for patients for whose maintenance $4.90 per week or less is contributed.

3. In all cases the limit is 120 days, and if patients remain in the hospital longer than that period the refuge rate of seven cents per day is allowed.

4. Children over one year and under twelve years are allowed for at the rate of seven cents per day.

5. No allowance is made for infants under one year of age.

Aid to Sanatoria for Consumptives.

1. A grant of $4,000 on the erection and satisfactory equipment of the necessary buildings.

2. A grant of three dollars per week for the maintenance of each patient for whose support four dollars and ninety cents per week or less is contributed. These grants to be in consideration of proper accommodation being provided and only to assist in the maintenance of patients coming from the Province of Ontario.

Government Grants to Sanatoria for Consumptives.

The Ontario Government's grants during the past ten years for the care and relief of tubercular patients are as follows:

For the five years 1900 to 1905	$20,438 60
For the five years 1905 to 1910	98,973 05
Total	$119,411 65

Inspections.

The usual inspection of each hospital has been made and a report of the same transmitted to the Honourable the Provincial Secretary, and a copy of the report sent to each institution visited. Where criticism has been found necessary or where suggestions have been called for, they have in nearly every instance been received in a kindly spirit indicative of a desire to improve upon the conditions mentioned.

With seventy-one public hospitals located in different parts of the Province, it is now well recognized that a well conducted hospital confers an incalculable benefit on the community in which it exists. The remarkable progress that has been made in Ontario during recent years in establishing hospitals has developed an

appreciation of the material advantage that such an institution is to the town or city in which it is located. It is only a very few years since, to secure proper hospital treatment, a long railway journey was necessary. Soon every county of Ontario will have its own hospital properly equipped for the care and treatment of medical and surgical cases, and thus every part of the Province will be afforded advantages which not long ago it was necessary to seek in the larger centres. To-day the medical and surgical equipment of many of our town hospitals is superior to that found in some of the old established institutions in the large cities. The effect in every town where a public hospital has been established is seen not only in affording proper care for the sick, but also in fostering and developing an appreciation of scientific advantages to the medical profession that ultimately are of the greatest benefit to the whole community. From the standpoint of value to the country, hospitals undoubtedly rank first in the philanthropies of the age in which we live.

Plainly spoken criticism has to be expressed in the reports of inspection of some hospitals (particularly in Toronto) where, on account of the lack of proper accommodation, there has been found a disposition to crowd poor patients, admitted on municipal orders, into poorly ventilated wards and to reserve nearly all the best parts of the building for private and semi-private patients. The original idea—the care of the sick-poor—for which hospitals were established must not be lost sight of. The institution that fails to provide proper accommodation in suitable buildings for its patients should not be considered worthy to share in either Government or municipal grants. City hospitals should be compelled to afford as comfortable wards for their patients as are found at similar institutions in the towns of the Province.

There is a marked improvement in the fire protection now provided at nearly every hospital in Ontario. Where the sick and helpless are cared for the absolute necessity of having not only proper facilities for escape, but also appliances always ready for use in the event of a fire occurring, is recognized. Nearly every hospital is now properly equipped in this respect.

The rate of maintenance at Ontario hospitals is less than at similar institutions in other portions of America, and criticism is seldom called for in regard to lack of economy in management. The expenditures under the different headings indicate such prudence and caution that inquiry often comes from other countries asking for information in respect to the methods employed to secure such results. The average daily cost per patient in our hospitals for the past year was $1.23, and when this rate is compared with the maintenance rate at the hospitals in the United States there is certainly reason to feel satisfied with the comparison.

Sanatoria for Consumptives.

During the past year 1,051 patients were admitted to the special hospitals or sanatoria for the treatment and care of consumptives in Ontario. But this by no means indicated the number of persons who have been helped through the dispensaries and visiting nurses in connection with these local institutions. The excellent work they are doing can only be appreciated by those familiar with the work now being carried on in Toronto, Hamilton, London, Ottawa, Kingston, St. Catharines and other places.

The necessity of having local sanatoria in Ontario for the treatment and care of consumptives is recognized as never before. Any attempt to bring together and care for in one institution a large number of consumptives should be discouraged.

The Government grant should be limited to not more than one hundred patients under one management, with a floor space of 10x12 feet for each patient's bed. In the State of Ohio, an enactment has become law during the past year which forbids more than five counties combining for the purpose of erecting a sanatorium for the treatment of tuberculosis persons. The valuable report of the Connecticut Commission last year is recognized as an indication of the best method of caring for the consumptives in any country.

That report recommends that local sanatoria be established in the counties of the State, each county to furnish the site, and the State and county to divide the cost of buildings and maintenance. It has been found to be a mistake for a State to erect and maintain large institutions for the treatment of consumption. States which have taken that method have, after a few years' experience, realized this fact, and that it would have been better to establish small local institutions than the more expensive and less useful larger ones. The report of the Connecticut Commission is a valuable contribution and may be taken as agreeing with the best thought of those who have made a special study of all the plans devised for fighting the white plague. It is remarkable how the report of the Connecticut Commission agrees with the plan agreed upon in Ontario and from which there should be little deviation. The Ontario Government's conditional grant to every municipality establishing a local sanatorium for the treatment of consumptives is $4,000, and afterwards it makes a liberal contribution towards each patient's maintenance. It seems strange that municipalities are slow in taking advantage of this liberal provision. The idea has prevailed that in establishing local sanatoria it would be necessary to copy the usual methods of hospital construction, and the question of expense has stood in the way. Expensive and ornate constructions should not be thought of in preparing plans for the housing of consumptive patients. The one aim should be to provide for a maximum amount of pure air at a minimum expense in architectural outlay. A frame building with wide verandahs and a few shacks comfortably fitted up would surely be an investment that every county in Ontario could profitably make. The many instances that we have in Ontario where consumption has been cured is assuring evidence that should justify the establishment of municipal sanatoria, especially when the Government grant is liberal. The districts in Germany, England and Scotland that have had sanatoria established for several years demonstrate the fact that these institutions are never a menace to the community where they are located. On the other hand, it is clearly shown that there is less tuberculosis in the immediate neighborhood of the institutions than there was previous to their establishment. We know that Gravenhurst has not suffered in any sense by having the two hospitals for consumptives so convenient thereto. This country is gradually awakening to the proper methods of dealing with the white plague and the next decade will no doubt bring about greatly increased sanitarium facilities for the proper care of the consumptive individual. The establishment of these local institutions will not only effect a cure, or improvement, in patients under their shelter, but one of their great missions will be to teach a proper mode of life to the community in general and to the consumptive in particular. They will spread the gospel of a life in pure air as the only proper mode of life for every human being.

Education in Regard to Consumption.

If the decrease in the number of deaths reported as caused by tuberculosis in Ontario during the past seven years is maintained, it is estimated that they will soon fall below 10 per cent. of the total death rate. The largest number in the

past forty years—3,484—was in 1900. This was decreased to 2,911 in 1906 and 2,530 in 1907. Is this decrease not largely due to the fact that people are gradually learning how to live? The exhibit under the direction of the Provincial Board of Health has been greatly appreciated in every city and town visited and has demonstrated to the public the simple but efficient means devised to combat the disease. If people were properly educated, not frightened, in regard to the disease a more rational view would be taken and the steps necessary for its prevention and cure would be better understood. The result would be seen in the disease being gradually but certainly exterminated from Ontario. There should be in at least twenty of the hospital centres of this Province a public dispensary established along lines similar to the tuberculosis clinic in connection with Toronto General Hospital, and the one under the direction of the Hamilton Health Association. No one can estimate the value of the work which a well conducted dispensary, with the visiting nurse attached thereto, can do not only in prescribing for the patients but in teaching them how to live. The visiting nurse going to the homes of the patients and seeing that the surroundings are made and kept right fills a mission of the highest importance. The distribution of cards and literature for the guidance of patients is also another method of teaching the public the simple but effective ways by which the disease may be prevented. In the City of Glasgow every street car ticket tells briefly how to prevent consumption and in all German cities circular letters are issued for the purpose of teaching the people simple rules for living.

Need of Organized Charity.

Indiscriminate relief-giving undoubtedly is a more potent factor in creating and perpetuating pauperism than anything else carried on in the name of charity. Every city and large town should have a charity organization society, and every applicant for aid should be referred thereto. This is advocated not to save money, but to save human character. Every individual seeking relief should be carefully examined. Every organized charity must have an efficient corps of visitors able to give wise and practical advice and help to encourage the dependent to regain his or her independence. Relief should only be given with a view to ultimately putting those helped beyond the need of relief. There are many different questions, however, connected with the administration of relief in particular cases, and probably no definite rules can be formulated which will cover every case that may arise. Family conditions are so different that in many respects we must rely upon the judgment of the visitor as they consider each individual case. Private is much to be preferred to public outdoor relief. Every effort should be made to avoid the necessity of public distribution of food. All these have a tendency to pauperize. It would be much better to investigate and help privately. We must never allow the conditions prevailing in the Old Country to obtain here. This can only be prevented by having an organized charity organization in every large community.

Such a local society would seek to give the poor in every city and town every possible opportunity to rise out of their poverty and seek to find adequate relief for those who have no power to rise. It would offer a helping hand, but it will not carry those who can walk. It would investigate and, as the result of such enquiry, seek to eradicate the causes which breed poverty. Such a society would through its organized system form plans for the families seeking relief and see that those plans were carried out, if such could be done without unkindness. Family after family would thus be set upon its feet or else made comfortable and happy in its necessary poverty—or uncomfortable if its poverty was voluntary. It takes wisdom to mend

broken lives. There is more importance in the quality of relief than in the quantity. More harm has been done in charity by the failure to give enough than by all the indiscriminate alms ever given. Nevertheless, it is true that relief is the most dangerous and lazy form of charity when bestowed without systematic inquiry. "He gives not best who gives most, but he gives most who gives best."

The trained charity worker sees a greater need than that of material relief. The uneducated, inexperienced worker only sees in charity that which feeds and clothes the body. Someone asks what is the difference between ordinary relief societies and an organized charity association. The one is for material relief; the other seeks to remove the cause for the relief, and to prevent overlapping and duplication and to set into motion agencies for teaching and bettering the condition of the poor; first, by encouragement, and second, if need be, by compulsion. Another difference—one plan is for the physical man only; the other is for the whole man.

Charity workers have no right to bring men, women and children together under the guise of industrial or religious training and point to them as being poor. The poor have burdens enough. The Christian sympathy in some places seems to have become much perverted in its dealings with poor children. The orphanages and homes must be kept filled in order to show the public the great work they are doing; while, on the other hand, many of those little ones might with advantage be provided with homes. The best institution is a poor substitute for the home. Hundreds of children are brought to Canada every year and given out for adoption, while for some reason our own orphanages and homes decline to have their numbers reduced. Properly organized charity would prevent all such anomalies.

We must put ourselves in the places of the poor and thereby become able to dispense justice as well as charity. The business side of charity work must be emphasized, but the heart must always throb in sympathy with him whose life is that of woe, sorrow and crime.

A successful local organized charitable organization must have:

1. An executive committee composed of some of the best and most influential people in the place.

2. It must have an executive head with business ability, patience and intense love for the work.

3. It must insist on better care of our neglected children by parents and guardians.

4. It must have a large number of friendly visitors who can and will spend a part of their daily lives for the personal benefit of those who need them.

5. It in some way must come closer to the people and not be content to deal with only those who apply for assistance.

County Houses of Refuge.

At the session of the Legislature in 1906 an Act respecting County Houses of Refuge was passed. It was therein enacted: "It shall be the duty of the Inspector of Public Charities of Ontario to visit and inspect every House of Refuge at least once a year, call for and inspect all books and papers relating thereto, and to examine into the sanitary condition of such houses. He shall report in writing to the Lieutenant-Governor in Council with respect to the management of each such house of refuge, and shall make such recommendations and suggestions in relation thereto and to the methods of keeping the books and accounts of such institution as he may deem best, and a copy of such report shall be forthwith

sent to the County Clerk of the County in which the institution upon which such report is made is situated, or when any such House of Refuge is under the direction or control of two or more Counties, then to the clerk of each of such counties." In accordance with the terms of this Act, visits of inspection have been made to each of the County Houses of Refuge and reports of such visits made to the Government and the County Clerks of the different Counties. There are now 28 County Houses of Refuge in Ontario and one under construction in the County of Haldimand. When this is completed very few counties in the Province will remain which have not complied with the statutory requirement. The visits of inspection have, I trust, proved helpful to the management of these institutions. The conditions prevailing in these Houses of Refuge vary greatly. In some counties the management is much better than in others. Some Houses were found neat, clean and everything in good order. In others there was a lamentable lack of any system in management and discipline. The inmates in some of the institutions were found apparently well looked after and when sick properly nursed and nourished. In others the unfortunate inmates seemed to be left very much to take care of themselves, and the sick were, I fear, greatly neglected. In some of the Houses the grossest indifference could only account for the conditions existing. No institution supported by public funds should be maintained in an unsanitary condition, and the inmates left to care for themselves. In some of the Houses the average weekly cost for the maintenance of the inmates is less than one dollar, while in others where a greater effort is made by providing a sufficient staff to conduct the institution properly the cost for maintenance is over two dollars per week. When proper help is employed there is no difficulty in conducting these Houses as they should be. Those in charge of the Houses of Refuge in most counties are honestly endeavoring to do their best, but they are often hindered in their efforts by the determination of the County Council to have the House conducted at the lowest possible cost. Fortunately there are only a few instances where undesirable conditions prevail, but a further amendment to the Act permitting the Inspector, as in the case of gaols, to specify the number of attendants, etc., seems very desirable. A uniform system for the whole Province in the management of these Houses is apparently necessary.

There are 44 Refuges and Homes in Ontario receiving government aid. The total population during the past year in these institutions was 6,082. The total annual expenditure for the maintenance of the Refuges for the past year was $365,736.72. Towards this expenditure the Government contributed $75,572.30, to be divided among the institutions at the rate of seven cents per day, as provided for by the Charity Aid Act, according to the length of residence of inmates, the balance of the expenditure being contributed by subscriptions, bequests, municipal grants, etc. These Refuges have all been regularly visited and inspected according to statute and suggestions made in some instances for their improvement. The principal reason for criticism arose from the tendency in many of these institutions to overcrowding the dormitories so that the proper amount of air space was not provided for each inmate. The regulation demanding that in every dormitory there must be a space of at least two feet between each bed and that each sleeping apartment shall be properly ventilated is now fairly observed. In each dormitory or ward at least six hundred cubic feet of air space must be allowed and provided for each bed or occupant, and no more beds or occupants shall be permitted than are thus provided for. Provision should be made, by a proper system of ventilation, to have a complete change of air every hour in all the rooms where the inmates are congregated. The

system of inspection now records the capacity of each institution, and any attempt at overcrowding can be readily detected and corrected.

While we are gratified with the evidences of philanthropy that provides homes for the aged and infirm, care must be taken that we do not fall into the mistake which has been created in some countries and build up a system that encourages thriftlessness and consequently pauperism. Only those who are incapacitated by the infirmities of age should seek assistance. England to-day is struggling under the tremendous burden of its work-house system, not so much on account of its enormous cost as on account of its undermining influence on British character, breeding as it does a population of spiritless paupers. Pauperism is a condition created by indiscriminate charity. This we must seek to avoid. The management of our city Refuges have a great task in working out plans that will avoid creating conditions in this country that have proved harmful in Great Britain.

It is gratifying to note that there has been considerable improvement in the facilities for fire protection at these Refuges. Too great caution cannot be taken to have constantly at hand not only simple and effective means for checking a fire but also a recognized and well understood system for the quick removal of the inmates if danger should threaten. Those in charge of these Refuges have in nearly every instance cheerfully complied with the suggestions that have been given, and it is pleasing to record many observed incidents indicating faithful and conscientious devotion to duty in caring for the old and infirm committed to their care.

Orphanages.

During the year 30 Orphanages in Ontario have received Government aid. These institutions had a total population of 4,734 children. The total expenditure for the maintenance of these charities during the year was $164,917.10. The Government grant to assist in meeting that expenditure was, at the rate of two cents per day, $17,388.05, the balance being contributed by private donations, municipal grants, etc. An official visit of inspection has been paid to each of these institutions. Last year attention was called to the overcrowding found in many of the Orphanages; especially in the dormitories too many children were crowded together, and in some the lavatory facilities were found very deficient. It is gratifying to note marked improvement in these respects. The number of children now in the Orphanages of Ontario is much less than for several years. This is a hopeful sign. The best institution is a poor substitute for the home. The Children's Aid Societies throughout Ontario have more applications for children for adoption than can be supplied, and it seems peculiar that so many children should be kept in Orphanages who might be adopted into comfortable homes. Nearly all the institutions for the care of children in Ontario are well managed, but at best the life of a child therein is deprived of that broadening development that comes from intercourse with outside children. The environment in childhood has a potent influence in moulding character. No matter how kindly cared for they may be in these institutions there is lacking some of the elements that make for rugged upbuilding of character. We are yearly providing in Canada comfortable homes for hundreds of children brought out from the Orphanages of Great Britain while keeping so many of our own native born young Canadians housed in our own institutions. The majority of people taking English children express a preference for Canadian

born, but for some reason their wishes cannot be complied with. The fault lies, I am convinced, not nearly so much with the people in charge of our Orphanages as with the persons who commit children to these institutions with the expressed understanding that they must be kept there and not given out for adoption into private homes. I have expressed the opinion that the rules governing the admission of all inmates should be changed so as to permit the management of all our Orphanages after a child has remained a certain period to decide in regard to his removal for adoption.

The domestic management of the Orphanages of Ontario is carefully and prudently looked after, and little if any criticism has been necessary. The funds contributed for the maintenance of these institutions are expended most carefully and their financial returns compare most favorably with those of similar charities in other countries.

R. W. Bruce Smith,
Inspector.

TABLE I.—Showing the general movements in each hospital separately.

Hospitals.	Location.	Dormitory capacity in beds.	Number remaining under treatment on 1st Oct., 1908.	Number admitted during the year ending 30th Sept., 1909.	Number of births in hospital during the year.	Total no. under treatment during the year ending 30th Sept. 1909.	Number discharged during the year.	Number who died during the year.	Number remaining under treatment on 30th Sept., 1909.
General Hospital	Toronto	400	280	4,522	392	5,104	4,443	340	321
Grace Hospital	"	106	88	1,348	290	1,726	1,538	92	96
Hospital for Sick Children	"	200	150	1,005	.....	1,155	858	168	129
St. Michael's Hospital	"	275	171	2,529	215	2,915	2,532	193	190
Western Hospital	"	125	114	1,488	119	1,721	1,509	103	109
The Orthopedic Hospital	"	60	32	216	.....	248	238	2	18
City Hospital	Hamilton	279	138	2,495	131	2,764	2,368	224	172
St. Joseph's Hospital	"	60	34	531	.....	565	504	27	34
General Hospital	Kingston	180	90	1,410	53	1,553	1,412	70	71
Hotel Dieu Hospital	"	150	65	1,399	.....	1,464	1,352	40	72
General Protestant Hospital	Ottawa	130	85	1,737	.....	1,822	1,625	87	110
Roman Catholic Hospital	"	196	79	1,754	.....	1,833	1,637	98	98
Misericordia Maternity Hospital	"	125	43	215	213	471	415	26	30
Maternity Hospital	"	17	10	212	187	409	384	22	3
St. Luke's General Hospital	"	85	58	1,136	.....	1,194	1,093	34	67
General Hospital	London	260	107	1,711	152	1,970	1,744	114	112
St. Joseph's Hospital	"	80	54	738	69	861	772	31	58
General and Marine Hospital	St. Catharines	50	21	437	57	515	431	46	38
Galt Hospital	Galt	38	18	320	12	350	298	34	18
General Hospital	Guelph	85	58	807	67	932	837	31	64
St. Joseph's Hospital	"	56	39	492	10	541	481	24	36
General Hospital	Pembroke	60	33	481	1	515	432	31	52
The Cottage Hospital	"	30	17	224	6	247	218	15	14
General Hospital	Mattawa	40	17	228	.....	245	203	12	30
J. H. Stratford Hospital	Brantford	.....	47	456	19	522	447	34	41
St. Joseph's Hospital	Port Arthur	100	60	924	18	1,002	890	47	65
Belleville Hospital	Belleville	50	18	405	32	455	411	20	24
St. Vincent de Paul Hospital	Brockville	80	38	759	9	806	727	33	46
General Hospital	"	55	33	446	46	525	459	27	39
General and Marine Hospital	Collingwood	50	43	297	27	367	300	32	35
Nicholl's Hospital	Peterborough	32	31	498	25	554	498	33	23
St. Joseph's Hospital	"	65	17	449	7	473	434	21	18
Hotel Dieu Hospital	Windsor	112	28	451	.....	479	409	36	34
St. Joseph's Hospital	Chatham	77	40	512	66	618	563	24	31
General Hospital	"	85	38	490	51	579	507	35	37
General Hospital	Stratford	45	29	379	23	431	378	30	23
Amasa Wood Hospital	St. Thomas	35	27	377	50	454	398	26	30
General and Marine Hospital	Owen Sound	58	15	301	17	333	274	23	36
St. Joseph's Hospital	Sudbury	125	20	535	13	568	492	24	52
Woodstock Hospital	Woodstock	35	29	273	20	322	278	28	16
Berlin and Waterloo Hospital	Berlin	36	13	255	18	286	236	23	27
General Hospital	Sarnia	50	28	411	37	476	416	26	34
Royal Victoria Hospital	Barrie	40	26	267	25	318	266	17	35
Hotel Dieu Hospital	Cornwall	105	29	556	.....	585	513	29	43
General Hospital	"	50	31	477	20	528	473	18	37
Muskoka Cottage Sanatorium	Gravenhurst	96	48	179	.....	227	167	11	49
Muskoka Free Hosp. for Consumptives	"	140	50	284	.....	334	217	6	111
General Hospital	Kenora	50	57	379	9	445	383	46	16
St. Joseph's Hospital	"	65	89	469	7	565	499	41	25
General Hospital	Sault Ste. Marie	164	57	684	14	755	691	28	36
Victoria General Hospital	Renfrew	11	10	144	5	159	133	5	21
Victorian General Hospital	Thessalon	22	3	128	3	134	108	12	14
Ross Memorial Hospital	Lindsay	23	14	227	2	243	207	24	12
John McKellar Memorial Hospital	Fort William	125	62	831	7	900	777	58	65
General Hospital	Walkerton	27	11	115	9	135	112	12	11
Queen Victoria Hospital	North Bay	24	28	316	12	356	308	20	28
General Hospital	Midland	14	9	124	4	137	117	7	13
St. Francis' Hospital	Smith's Falls	25	7	243	2	252	227	11	14
King Edward Sanatorium	Weston	33	20	87	.....	107	55	26	26
Free Hospital for Consumptives	"	100	62	178	.....	240	85	65	90
Mountain Sanatorium	Hamilton	46	32	111	.....	143	96	5	42
Victorian Hospital	Almonte	12	8	112	24	144	132	7	5
General Hospital	Niagara Falls	20	10	230	13	253	222	21	10
General Hospital	Wingham	15	13	114	5	132	109	11	12
General and Marine Hospital	Goderich	12	5	63	10	78	68	4	6
Lady Minto Hospital	New Liskeard	25	25	248	3	276	223	28	25
Royal Alexandra Hospital	Fergus	75	18	221	21	260	236	12	12
General Hospital	Parry Sound	40	9	150	3	162	139	12	11
General Hospital	Orillia	22	9	222	3	234	197	14	23
General Hospital	Welland	30	.....	105	7	112	89	16	7
Railway, Marine and Gen. Hosp.	Port Arthur	45	.....	196	8	204	155	11	38
Totals for 1909	.....	.....	3,097	43,113	2,578	48,788	42,435	2,963	3,390
Totals for 1908	.....	.....	2,935	41,696	2,310	46,971	41,118	2,748	3,105

TABLE 11.—Showing the collective stay in days of the adult and infant patients; also the average length of time each patient was under treatment.

Hospitals.	Location.	Number of patients, including infants born.	Collective stay of infants under one year of age.	Collective stay of adult patients.	Total collective stay of adults and infants.	Average stay of each patient, including infants.
General Hospital	Toronto	5,104	4,110	109,808	113,918	22.3
Grace Hospital	"	1,726	3,990	26,338	30,328	17.5
Hospital for Sick Children	"	1,155	3,559	44,796	48,355	41.8
St. Michael's Hospital	"	2,915	2,905	62,347	65,252	22.3
Western Hospital	"	1,721	1,666	30,864	32,530	18.8
The Orthopedic Hospital	"	248	30	7,802	7,832	31.5
City Hospital	Hamilton	2,764	2,676	50,838	53,514	19.3
St. Joseph's Hospital	"	565	137	10,327	10,464	18.5
General Hospital	Kingston	1,553	543	27,573	28,116	18.1
Hotel Dieu Hospital	"	1,464	57	28,294	28,351	19.3
General Protestant Hospital	Ottawa	1,822	651	33,328	33,979	18.6
Roman Catholic Hospital	"	1,833	.....	30,316	30,316	16.5
Misericordia Maternity Hospital	"	471	3,790	18,450	22,240	47.2
Maternity Hospital	"	409	2,407	2,958	5,365	13.1
St. Luke's General Hospital	"	1,194	6	19,233	19,239	16.1
General Hospital	London	1,970	2,696	38,960	41,656	21.1
St. Joseph's Hospital	"	861	1,062	17,595	18,657	21.6
General and Marine Hospital	St. Catharines	515	755	10,223	10,978	21.3
Galt Hospital	Galt	350	193	6,455	6,648	18.9
General Hospital	Guelph	932	856	21,027	21,883	23.4
St. Joseph's Hospital	"	541	137	12,506	12,643	23.3
General Hospital	Pembroke	515	39	13,399	13,438	26.1
The Cottage Hospital	"	247	126	6,707	6,833	27.6
General Hospital	Mattawa	245	.....	4,991	4,991	20.3
J. H. Stratford Hospital	Brantford	522	272	12,499	12,771	24.4
St. Joseph's Hospital	Port Arthur	1,002	267	16,899	17,166	16.1
Belleville Hospital	Belleville	455	579	6,734	7,313	16.1
St. Vincent de Paul Hospital	Brockville	806	114	15,134	15,248	18.9
General Hospital	"	525	760	13,577	14,337	27.3
General and Marine Hospital	Collingwood	367	409	7,825	8,234	22.4
Nicholl's Hospital	Peterborough	554	493	9,456	9,949	17.9
St. Joseph's Hospital	"	473	77	7,325	7,402	15.6
Hotel Dieu Hospital	Windsor	479	18	8,497	8,515	17.8
St. Joseph's Hospital	Chatham	618	859	11,010	11,869	19.2
General Hospital	"	579	1,000	11,088	12,088	20.8
General Hospital	Stratford	431	374	8,518	8,892	20.6
Amasa Wood Hospital	St. Thomas	454	572	6,301	6,873	15.1
General and Marine Hospital	Owen Sound	333	214	5,397	5,611	16.8
St. Joseph's Hospital	Sudbury	568	103	8,954	9,057	15.9
Woodstock Hospital	Woodstock	322	190	6,070	6,260	16.0
Berlin and Waterloo Hospital	Berlin	286	159	4,987	5,146	18.0
General Hospital	Sarnia	476	413	8,203	8,616	18.1
Royal Victoria Hospital	Barrie	318	393	6,483	6,876	21.6
Hotel Dieu Hospital	Cornwall	585	....	11,571	11,571	19.8
General Hospital	"	528	251	10,008	10,259	19.4
Muskoka Cottage Sanatorium	Gravenhurst	227	.....	19,919	19,919	87.7
Muskoka Free Hospital for Consumptives	"	334	.....	21,426	21,426	64.2
General Hospital	Kenora	445	119	10,158	10,277	22.7
St. Joseph's Hospital	"	565	82	13,550	13,632	24.2
General Hospital	Sault Ste. Marie	755	159	14,322	14,481	19.2
Victoria General Hospital	Renfrew	159	211	2,802	3,013	19.0
Victorian General Hospital	Thessalon	134	8	1,363	1,371	10.2
Ross Memorial Hospital	Lindsay	243	42	4,128	4,170	17.1
John McKellar Memorial Hospital	Fort William	900	64	14,176	14,240	15.8
General Hospital	Walkerton	135	126	3,715	3,841	28.5
Queen Victoria Hospital	North Bay	356	182	6,329	6,511	18.3
General Hospital	Midland	137	53	2,265	2,318	16.9
St. Francis' Hospital	Smith's Falls	252	53	3,861	3,914	15.5
King Edward Sanatorium	Weston	107	....	7,967	7,967	74.4
Free Hospital for Consumptives	"	240	.....	27,222	27,222	113.4
Mountain Sanatorium	Hamilton	143	.....	11,608	11,608	81.2
Victorian Hospital	Almonte	144	372	2,196	2,568	17.8
General Hospital	Niagara Falls	253	214	3,952	4,166	16.4
General Hospital	Wingham	132	54	2,090	2,144	16.2
General and Marine Hospital	Goderich	78	177	1,571	1,748	22.4
Lady Minto Hospital	New Liskeard	276	42	5,927	5,969	21.6
Royal Alexandra Hospital	Fergus	260	501	5,349	5,850	22.5
General Hospital	Parry Sound	162	50	2,663	2,713	16.7
General Hospital	Orillia	234	44	3,510	3,554	15.2
General Hospital	Welland	112	98	1,593	1,691	15.1
Railway, Marine and General Hospital	Port Arthur	204	116	1,526	1,642	8.0
Totals for 1909		48,788	42,675	1,026,859	1,069,534	21.9
Totals for 1908		46,928	39,892	994,699	1,034,591	22.0

TABLE III.—Showing the deductions which have to be made from the collective stay of patients for the protracted residence of incurables, lying-in cases, etc. For persons coming within these classes only seven cents per day is allowed.

Hospitals.	Location.	Collective days' stay, exclusive of infants under one year of age.	Deduct for incurables and lying-in cases, for which only Refuge rate is allowed and disallowed cases, also deduct the days' stay of patients who paid over $4.90 per week.	No. of days' stay for which hospital allowance is made.
General Hospital	Toronto	109,808	34,508	75,300
Grace Hospital	"	26,338	9,947	16,391
Hospital for Sick Children	"	48,355	1,037	47,318
St. Michael's Hospital	"	62,347	12,613	49,734
Western Hospital	"	30,864	14,882	15,982
The Orthopedic Hospital	"	7,802	6,203.	1,599
City Hospital	Hamilton	50,838	16,675	34,163
St. Joseph's Hospital	"	10,327	3,654	6,673
General Hospital	Kingston	27,573	11,392	16,181
Hotel Dieu Hospital	"	28,294	3,579	24,715
General Protestant Hospital	Ottawa	33,328	16,616	16,712
Roman Catholic Hospital	"	30,316	7,502	22,814
Misericordia Maternity Hospital	"	18,450	10,877	7,573
Maternity Hospital	"	2,958	1,661	1,297
St. Luke's General Hospital	"	19,233	10,527	8,706
General Hospital	London	38,960	17,675	21,285
St. Joseph's Hospital	"	17,595	11,891	5,704
General and Marine Hospital	St. Catharines	10,223	5,040	5,183
Galt Hospital	Galt	6,455	2,511	3,944
General Hospital	Guelph	21,027	3,821	17,206
St. Joseph's Hospital	"	12,506	3,834	8,672
General Hospital	Pembroke	13,399	2,083	11,316
The Cottage Hospital	"	6,707	936	5,771
General Hospital	Mattawa	4,991	590	4,401
J. H. Stratford Hospital	Brantford	12,499	3,747	8,752
St. Joseph's Hospital	Port Arthur	16,899	7,539	9,360
Belleville Hospital	Belleville	6,734	2,417	4,317
St. Vincent de Paul Hospital	Brockville	15,134	5,631	9,503
General Hospital	"	13,577	7,075	6,502
General and Marine Hospital	Collingwood	7,825	3,404	4,421
Nicholl's Hospital	Peterborough	9,456	2,017	7,439
St. Joseph's Hospital	"	7,325	2,463	4,862
Hotel Dieu Hospital	Windsor	8,497	3,338	5,159
St. Joseph's Hospital	Chatham	11,010	4,066	6,944
General Hospital	"	11,088	6,489	4,599
General Hospital	Stratford	8,518	6,381	2,137
Amasa Wood Hospital	St. Thomas	6,301	3,448	2,853
General and Marine Hospital	Owen Sound	5,397	2,415	2,982
St. Joseph's Hospital	Sudbury	8,954	3,457	5,497
Woodstock Hospital	Woodstock	6,070	3,311	2,759
Berlin and Waterloo Hospital	Berlin	4,987	2,512	2,475
General Hospital	Sarnia	8,203	5,201	3,002
Royal Victoria Hospital	Barrie	6,483	2,672	3,811
Hotel Dieu Hospital	Cornwall	11,571	1,797	9,774
General Hospital	"	10,008	4,333	5,675
Muskoka Cottage Sanatorium	Gravenhurst	19,919	19,919	.....
Muskoka Free Hosp. for Consumptives	"	29,361	7,935	21,426
General Hospital	Kenora	10,158	2,440	7,718
St. Joseph's Hospital	"	13,550	433	13,117
General Hospital	Sault Ste. Marie	14,322	1,919	12,403
Victoria General Hospital	Renfrew	2,802	135	2,667
Victorian General Hospital	Thessalon	1,371	8	1,363
Ross Memorial Hospital	Lindsay	4,128	74	4,054
John McKellar Memorial Hospital	Fort William	14,176	421	13,755
General Hospital	Walkerton	3,715	639	3,076
Queen Victoria Hospital	North Bay	6,329	189	6,140
General Hospital	Midland	2,265	170	2,095
St. Francis' Hospital	Smith's Falls	3,861	445	3,416
King Edward Sanatorium	Weston	7,967	7,967	.....
Free Hospital for Consumptives	"	27,222	.....	27,222
Mountain Sanatorium	Hamilton	12,643	1,035	11,608
Victorian Hospital	Almonte	2,196	51	2,145
General Hospital	Niagara Falls	3,952	285	3,667
General Hospital	Wingham	2,090	52	2,038
General and Marine Hospital	Goderich	1,571	.....	1,571
Lady Minto Hospital	New Liskeard	5,927	26	5,901
Royal Alexandra Hospital	Fergus	5,349	542	4,807
General Hospital	Parry Sound	2 663	227	2,436
General Hospital	Orillia	3,510	413	3,097
General Hospital	Welland	1,593	71	1,522
Railway, Marine and General Hospital.	Port Arthur	1,526	48	1,478
Totals for 1909	.....	1,039,396	339,211	700,185
Totals for 1908	.....	1,000,299	311,141	689,158

TABLE IV.—Relative to Income of Hospitals.

Hospitals.	Location.	Amount received from municipalities as a grant and for patients' maintenance.	Amount received from patients for board.	Amount received as income from property or investments belonging to hospital.	Subscriptions and donations of private individuals and incidental receipts.	Total receipts from all sources other than the Government grant.
		$ c.	$ c.	$ c.	$ c.	$ c.
General Hospital	Toronto	38,505 10	68,774 24	34,721 90	6,757 12	148,758 36
Grace Hospital	"	6,738 20	28,041 31	908 46	188 80	35,876 77
Hospital for Sick Children	"	22,064 00	6,216 64	1,540 00	33,061 37	62,882 01
St. Michael's Hospital	"	22,148 90	30,335 51	.....	1,563 00	54,047 41
Western Hospital	"	7,988 40	27,081 20	.....	401 00	35,470 60
The Orthopedic Hospital	"	.....	8,065 73	188 49	19 62	8,273 84
City Hospital	Hamilton	27,748 66	27,748 19	.....	.....	55,496 85
St. Joseph's Hospital	"	.....	7,359 86	.....	15 00	7,374 86
General Hospital	Kingston	5,780 00	13,605 02	.....	6,262 18	25,647 20
Hotel Dieu Hospital	"	1,710 00	8,030 58	.....	2,964 52	12,705 10
General Protestant Hospital	Ottawa	11,063 60	27,108 32	.....	7,334 43	45,506 35
Roman Catholic Hospital	"	10,412 90	20,590 19	.....	1,391 04	32,394 13
Misericordia Maternity Hospital	"	350 00	2,975 84	.....	6,279 21	9,605 05
Maternity Hospital	"	350 00	4,642 60	.....	1,485 20	6,477 80
St. Luke's General Hospital	"	5,101 00	17,422 59	200 00	4,452 09	27,178 68
General Hospital	London	30,070 27	24,956 48	570 70	1,542 99	57,140 44
St. Joseph's Hospital	"	.....	18,338 66	.....	89 00	18,427 66
General and Marine Hospital	St. Catharines	600 00	6,816 85	245 00	722 13	8,383 98
Galt Hospital	Galt	2,350 00	4,570 95	.....	550 58	7,471 53
General Hospital	Guelph	7,835 00	14,767 55	.....	8,534 90	31,137 45
St. Joseph's Hospital	"	1,700 00	8,903 17	.....	516 58	11,119 75
General Hospital	Pembroke	220 00	3,654 00	.....	2,564 77	6,438 77
The Cottage Hospital	"	200 00	3,453 27	.....	1,236 26	4,889 53
General Hospital	Mattawa	.....	623 02	.....	2,951 36	3,574 38
J. H. Stratford Hospital	Brantford	4,058 27	6,885 22	76 50	46 92	11,066 91
St. Joseph's Hospital	Port Arthur	1,600 00	11,730 37	.....	2,307 75	15,638 12
Belleville Hospital	Belleville	1,340 80	6,441 24	330 00	414 72	8,526 76
St. Vincent de Paul Hospital	Brockville	875 00	9,057 15	.....	4,539 78	14,471 93
General Hospital	"	1,045 00	9,597 85	1,555 06	3,557 30	15,755 21
General and Marine Hospital	Collingwood	1,000 00	6,110 44	.....	62 36	7,172 80
Nicholl's Hospital	Peterborough	.....	7,675 16	10,533 50	50 00	18,258 66
St. Joseph's Hospital	"	.....	5,410 67	.....	1,401 00	6,811 67
Hotel Dieu Hospital	Windsor	1,025 87	4,460 86	.....	1,158 79	7,645 52
St. Joseph's Hospital	Chatham	236 02	5,375 59	.....	1,235 25	6,846 86
General Hospital	"	345 95	8,700 15	.....	721 50	9,767 60
General Hospital	Stratford	1,800 00	7,598 87	156 18	787 37	10,342 42
Amasa Wood Hospital	St. Thomas	6,000 00	5,250 60	134 13	.....	11,384 73
General and Marine Hospital	Owen Sound	2,175 00	4,079 37	24 00	352 73	6,631 10
St. Joseph's Hospital	Sudbury	.....	6,462 55	.....	4,505 15	10,967 70
Woodstock Hospital	Woodstock	2,000 00	5,214 50	1,261 69	171 50	8,647 69
Berlin and Waterloo Hospital	Berlin	2,900 00	4,522 32	.....	184 33	7,606 65
General Hospital	Sarnia	1,800 00	8,036 61	180 00	580 60	10,597 21
Royal Victoria Hospital	Barrie	825 00	6,275 98	.....	1,027 83	8,128 81
Hotel Dieu Hospital	Cornwall	615 00	2,072 30	.....	3,640 87	6,328 17
General Hospital	"	640 00	4,257 88	.....	4,633 20	9,531 08
Muskoka Cottage Sanatorium	Gravenhurst	.....	35,104 30	.....	1,876 72	36,981 02
Muskoka Free Hospital for Cons	"	6,843 38	4,335 37	.....	17,262 46	28,441 21
General Hospital	Kenora	11,622 60	2,549 64	.....	28 00	14,200 24
St. Joseph's Hospital	"	20 00	8,528 79	.....	1,474 11	10,022 90
General Hospital	Sault Ste. Marie	725 00	9,416 26	.....	1,888 65	12,029 91
Victoria General Hospital	Renfrew	750 00	2,366 17	.....	150 00	3,266 17
Victorian General Hospital	Thessalon	100 00	1,290 62	.....	1,089 62	2,480 24
Ross Memorial Hospital	Lindsay	1,375 00	3,013 49	821 08	1,101 39	6,310 96
John McKellar Memorial Hospital	Fort William	3,050 00	8,854 57	.....	1,306 94	13,211 51
General Hospital	Walkerton	1,665 00	2,811 07	.....	394 32	4,870 39
Queen Victoria Hospital	North Bay	750 00	4,221 85	.....	1,485 48	6,457 33
General Hospital	Midland	1,075 00	1,983 42	.....	1,444 91	4,503 33
St. Francis' Hospital	Smith's Falls	350 00	1,663 74	.....	726 22	2,739 96
King Edward Sanatorium	Weston	.....	9,350 73	.....	44 00	9,394 73
Free Hospital for Consumptives	"	15,516 90	1,781 82	.....	4,751 66	22,050 38
Mountain Sanatorium	Hamilton	3,507 60	3,059 87	.....	2,809 20	9,376 67
Victorian Hospital	Almonte	265 00	1,403 40	26 93	1,019 25	2,714 58
General Hospital	Niagara Falls	1,722 10	4,573 14	.....	563 90	6,859 14
General Hospital	Wingham	475 00	2,859 84	.....	117 32	3,452 16
General and Marine Hospital	Goderich	700 00	1,436 79	49 05	477 74	2,663 58
Lady Minto Hospital	New Liskeard	.....	4,824 27	.....	1,265 84	6,087 11
Royal Alexandra Hospital	Fergus	1,000 00	5,733 67	.....	29 20	6,762 87
General Hospital	Parry Sound	32 90	2,192 25	.....	1,136 39	3,361 54
General Hospital	Orillia	500 00	2,957 70	.....	400 00	3,857 70
General Hospital	Welland	1,220 38	1,674 66	.....	932 62	3,827 66
Railway, Marine and General H	Port Arthur	.....	1,841 90	.....	1,909 44	3,751 34
Totals for 1909		286,486 80	650,123 78	53,522 67	167,947 48	1,158,080 73
Totals for 1908		257,641 70	606,045 72	49,473 81	140,600 69	1,053,761 29

TABLE V.—Showing the basis on which statutory aid is granted.

Hospitals.	Location.	Collective days' stay upon which Hospital grants are based.	Collective days' stay upon which computation of Refuge rate is based.	Computation of 7 cents per day, being Refuge rate for improper cases for Hospital treatment.	Amount of grant for proper Hospital cases.	Amount payable to each Hospital from appropriation by the Legislature.
				$ c.	$ c.	$ c.
General Hospital	Toronto	75,300	7,576	530 32	15,060 00	15,590 32
Grace Hospital	"	16,391	110	7 70	3,278 20	3,285 90
Hospital for Sick Children	"	47,318	.....	.....	9,463 60	9 463 60
St. Michael's Hospital	"	49,734	2,498	174 86	9,946 80	10,121 66
Western Hospital	"	15,982	1,193	83 51	3,196 40	3 279 91
The Orthopedic Hospital	"	1,599	1,351	93 17	319 80	412 97
City Hospital	Hamilton	34,163	9,684	677 88	6,832 60	7,510 48
St. Joseph's Hospital	"	6,673	418	29 26	1,334 60	1,363 86
General Hospital	Kingston	16,181	5,595	391 65	3,236 20	3,627 85
Hotel Dieu Hospital	"	24,715	1,979	138 53	4,943 00	5,081 53
General Protestant Hospital	Ottawa	16,712	4,869	340 83	3,342 40	3,683 23
Roman Catholic Hospital	"	22,844	3,061	214 27	4,562 80	4,777 07
Misericordia Maternity Hospital	"	7,573	9,314	651 98	1,414 60	2,066 58
Maternity Hospital	"	1,297	69	4 83	259 40	264 23
St. Luke's General Hospital	"	8,706	978	68 46	1,741 20	1,809 66
General Hospital	London	21,285	5,939	415 73	4,257 00	4,672 73
St. Joseph's Hospital	"	5,704	242	16 94	1,140 80	1,157 74
General and Marine Hospital	St. Catharines	5,183	1,093	76 51	1,136 60	1,213 11
Galt Hospital	Galt	3,944	402	28 14	788 80	816 94
General Hospital	Guelph	17,206	728	50 96	3,441 20	3,492 16
St. Joseph's Hospital	"	8,672	365	25 55	1,734 40	1,759 95
General Hospital	Pembroke	11,316	984	68 88	2,263 20	2,332 08
The Cottage Hospital	"	5,771	936	65 52	1,154 20	1,219 72
General Hospital	Mattawa	4,401	30	2 10	880 20	882 30
J. H. Stratford Hospital	Brantford	8,752	1,469	102 83	1,750 40	1,853 23
St. Joseph's Hospital	Port Arthur	9,360	238	16 66	1,872 00	1,888 66
Belleville Hospital	Belleville	4,317	57	3 99	863 40	867 39
St. Vincent de Paul Hospital	Brockville	9,503	1,080	75 60	1,900 60	1,976 20
General Hospital	"	6,502	1,036	72 52	1,300 40	1,372 92
General and Marine Hospital	Collingwood	4,421	762	53 34	884 20	937 54
Nicholl's Hospital	Peterborough	7,339	480	33 60	1,467 80	1,501 40
St. Joseph's Hospital	"	4,862	409	28 63	972 40	1,001 03
Hotel Dieu Hospital	Windsor	5,159	216	15 12	1,031 80	1,046 92
St. Joseph's Hospital	Chatham	6,944	960	67 20	1,388 80	1,456 00
General Hospital	"	4,599	1,444	101 08	919 80	1,020 88
General Hospital	Stratford	2,137	864	60 48	427 40	487 88
Amasa Wood Hospital	St. Thomas	2,853	484	33 88	570 60	604 48
General and Marine Hospital	Owen Sound	2,982	454	31 78	596 40	628 18
St. Joseph's Hospital	Sudbury	5,497	330	23 10	1,099 40	1,122 50
Woodstock Hospital	Woodstock	2,759	267	18 69	551 80	570 49
Berlin and Waterloo Hospital	Berlin	2,475	544	38 08	495 00	533 08
General Hospital	Sarnia	3,002	147	10 29	600 40	610 69
Royal Victoria Hospital	Barrie	3,811	253	17 71	762 20	779 91
Hotel Dieu Hospital	Cornwall	9,774	778	54 46	1,954 80	2,009 26
General Hospital	"	5,675	750	52 50	1,135 00	1,187 50
Muskoka Cottage Sanatorium	Gravenhurst	.....	.....	.....	.....	.....
Muskoka Free Hospital for Cons	"	.....	.....	.....	.....	.....
General Hospital	Kenora	7,718	602	42 14	1,543 60	1,585 74
St. Joseph's Hospital	"	13,117	433	30 31	2,623 40	2,653 71
General Hospital	Sault Ste. Marie	12,303	311	21 77	2,460 60	2,482 37
Victoria General Hospital	Renfrew	2,667	135	9 45	533 40	542 85
Victorian General Hospital	Thessalon	1,363	8	56	272 60	273 16
Ross Memorial Hospital	Lindsay	4,054	74	5 18	810 80	815 98
John McKellar Memorial Hospital	Fort William	13,755	421	29 47	2,751 00	2,780 47
General Hospital	Walkerton	3,076	639	44 73	615 20	659 93
Queen Victoria Hospital	North Bay	6,140	189	13 23	1,228 00	1,241 23
General Hospital	Midland	2,095	170	11 90	419 00	430 90
St. Francis' Hospital	Smith's Falls	3,416	445	31 15	683 20	714 35
King Edward Sanatorium	Weston	.....	.....	.....	.....	.....
Free Hospital for Consumptives	"	.....	.....	.....	.....	.....
Mountain Sanatorium	Hamilton	.....	.....	.....	.....	.....
Victorian Hospital	Almonte	2,145	51	3 57	429 00	432 57
General Hospital	Niagara Falls	3,667	285	19 95	733 40	753 35
General Hospital	Wingham	2,038	52	3 64	407 60	411 24
General and Marine Hospital	Goderich	1,571	.....	.....	314 20	314 20
Lady Minto Hospital	New Liskeard	5,901	26	1 82	1,180 20	1,182 02
Royal Alexandra Hospital	Fergus	4,807	542	37 94	961 40	999 34
General Hospital	Parry Sound	2,436	227	15 89	487 20	503 09
General Hospital	Orillia	3,097	413	28 91	619 40	648 31
General Hospital	Welland	1,522	71	4 97	304 40	309 37
Railway, Marine and Gen. Hosp.	Port Arthur	1,478	48	3 36	295 60	298 96
Totals for 1909		639,729	77,558	5,429 06	127,945 80	133,374 86
Totals for 1908		623,597	73,820	5,167 40	125,731 78	130,899 18

TABLE VI.—Showing the cost of maintaining the Hospitals, also the average daily cost per patient, etc.

Hospitals.	Location.	Collective days' stay, exclusive of infants under one year of age.	Cost of dietaries.	Salaries, fuel, light, medicine, bedding and all other expenditure on maintenance account.	Total expenditure for maintenance.	Average cost of each patient per day.
			$ c.	$ c.	$ c.	$ c.
General Hospital	Toronto	109,808	43,740 05	101,515 15	151,255 20	1 38
Grace Hospital	"	26,338	11,247 92	25,892 33	37,140 25	1 41
Hospital for Sick Children	"	48,355	16,105 97	62,875 53	78,981 50	1 63
St. Michael's Hospital	"	62,34.	27,024 42	37,509 26	64,533 68	1 03
Western Hospital	"	30,864	10,918 54	24,789 47	35,708 01	1 16
The Orthopedic Hospital	"	7,802	2,897 45	7,106 52	10,003 97	1 27
City Hospital	Hamilton	50,838	22,501 81	45,602 42	68,104 23	1 34
St. Joseph's Hospital	"	10,327	4,007 85	4,959 66	8,967 51	87
General Hospital	Kingston	27,573	8,789 19	16,433 67	25,222 86	91
Hotel Dieu Hospital	"	28,294	9,176 51	10,080 70	19,257 21	68
General Protestant Hospital	Ottawa	33,328	15,065 47	31,472 95	46,538 42	1 39
Roman Catholic Hospital	"	30,316	11,590 38	18,739 49	30,329 87	1 00
Misericordia Maternity Hospital	"	18,450	5,489 46	7,879 54	13,369 00	72
Maternity Hospital	"	2,958	1,906 88	4,734 25	6,641 13	2 25
St. Luke's General Hospital	"	19,233	11,391 57	19,058 56	30,450 13	1 58
General Hospital	London	38,960	18,206 18	43,989 85	62,196 03	1 59
St. Joseph's Hospital	"	17,595	7,540 38	11,915 37	19,455 75	1 10
General and Marine Hospital	St. Catharines	10,223	4,117 17	7,575 37	11,692 54	1 14
Galt Hospital	Galt	6,455	2,435 82	6,837 17	9,272 99	1 43
General Hospital	Guelph	21,027	7,114 72	16,161 03	23,275 75	1 10
St. Joseph's Hospital	"	12,506	5,588 78	6,973 90	12,562 68	1 00
General Hospital	Pembroke	13,399	2,983 54	5,466 40	8,449 94	63
The Cottage Hospital	"	6,707	1,409 75	4,426 71	5,836 46	87
General Hospital	Mattawa	4,991	1,633 42	2,756 99	4,390 41	88
J. H. Stratford Hospital	Brantford	12,499	2,456 38	10,912 78	13,369 16	1 07
St. Joseph's Hospital	Port Arthur	16,899	5,290 93	12,006 86	17,397 79	1 02
Belleville Hospital	Belleville	6,734	2,360 24	6,505 35	8,865 59	1 31
St. Vincent de Paul Hospital	Brockville	15,134	5,387 50	10,838 15	16,225 65	1 07
General Hospital	"	13,577	5,020 54	10,756 92	15,777 46	1 16
General and Marine Hospital	Collingwood	7,825	2,426 53	5,755 20	8,181 73	1 04
Nicholl's Hospital	Peterborough	9,456	4,530 03	15,181 56	19,711 59	2 08
St. Joseph's Hospital	"	7,325	2,602 72	5,087 18	7,689 90	1 05
Hotel Dieu Hospital	Windsor	8,497	4,050 66	5,151 50	9,202 16	1 08
St. Joseph's Hospital	Chatham	11,010	3,141 99	5,015 48	8,157 47	74
General Hospital	"	11,088	3,683 93	6,765 34	10,449 27	94
General Hospital	Stratford	8,518	2,028 17	8,608 15	10,636 32	1 25
Amasa Wood Hospital	St. Thomas	6,301	2,905 45	9,576 82	12,482 27	1 98
General and Marine Hospital	Owen Sound	5,397	1,896 89	5,073 81	6,970 70	1 29
St. Joseph's Hospital	Sudbury	8,954	3,144 35	7,066 76	10,211 11	1 14
Woodstock Hospital	Woodstock	6,070	2,822 12	5,179 92	8,002 04	1 32
Berlin and Waterloo Hospital	Berlin	4,987	1,847 76	6,479 75	8,327 51	1 67
General Hospital	Sarnia	8,203	2,671 05	7,042 96	9,714 01	1 18
Royal Victoria Hospital	Barrie	6,483	3,033 93	4,243 46	7,277 39	1 12
Hotel Dieu Hospital	Cornwall	11,571	3,987 09	4,196 06	8,183 15	70
General Hospital	"	10,008	3,229 34	7,165 70	10,395 04	1 04
Muskoka Cottage Sanatorium	Gravenhurst	19,919	15,947 81	26,452 64	42,400 45	2 13
Muskoka Free Hosp. for Consumptives	"	20,361	10,740 23	24,672 71	35,412 94	1 20
General Hospital	Kenora	10,158	3,675 15	12,348 12	16,023 27	1 57
St. Joseph's Hospital	"	13,550	3,892 94	8,074 17	11,967 11	88
General Hospital	Sault Ste. Marie.	14,322	4,586 03	7,428 35	12,014 38	83
Victoria General Hospital	Renfrew	2,802	1,270 73	2,995 10	4,265 83	1 52
Victoria General Hospital	Thessalon	1,371	796 54	2,455 90	3,252 44	2 37
Victorian General Hospital	Lindsay	4,128	1,892 58	5,393 59	7,286 17	1 76
John McKellar Memorial Hospital	Fort William	14,176	4,619 63	12,296 14	16,915 77	1 19
General Hospital	Walkerton	3,715	1,524 93	3,875 18	5,400 11	1 54
Queen Victoria Hospital.	North Bay	6,329	1,764 47	3,266 20	5,030 67	79
General Hospital	Midland	2,265	1,022 95	3,260 03	4,282 98	1 89
St. Francis' Hospital	Smith's Falls	3,861	1,441 12	1,692 82	3,133 94	81
King Edward Sanatorium	Weston	7,967	5,388 62	6,236 97	11,625 59	1 46
Free Hospital for Consumptives	"	27,222	11,385 55	17,765 00	29,150 55	1 07
Mountain Sanatorium	Hamilton	12,643	4,811 70	8,862 46	13,674 16	1 08
Victorian Hospital	Almonte	2,196	964 28	2,260 34	3,224 62	1 47
General Hospital	Niagara Falls	3,952	1,694 13	4,696 85	6,390 98	1 62
General Hospital	Wingham	2,090	1,079 16	2,841 57	3,920 73	1 87
General and Marine Hospital	Goderich	1,571	433 08	1,993 56	2,426 64	1 54
Lady Minto Hospital	New Liskeard	5,927	1,899 64	4,279 45	6,179 09	1 04
Royal Alexandra Hospital	Fergus	5,349	2,862 67	5,653 47	8,516 14	1 59
General Hospital	Parry Sound	2,663	1,141 95	3,062 01	4,203 96	1 57
General Hospital	Orillia	3,510	1,186 50	3,226 94	4,413 44	1 26
General Hospital	Welland	1,593	778 47	3,401 23	4,179 70	2 62
Railway, Marine and General Hospital.	Port Arthur	1,526	954 61	2,694 66	3,649 27	2 39
Totals for 1909		1,039,396	415,256 30	864,548 46	1,279,803 76	1 23
Totals for 1908		1,001,070	399,423 25	813,962 29	1,239,236 87	1 21

TABLE VII.—Showing the proportion of maintenance of Hospitals paid by the Government.

Hospitals.	Location.	Revenues on maintenance account exclusive of Government grant.	Government grant in aid of maintenance.	Total revenue for maintenance.	Total expenditure for maintenance.	Percentage of Government grant to total expenditure for maintenance.
General Hospital	Toronto	148,758 36	15,137 36	163,895 72	151,255 20	10.0
Grace Hospital	"	35,876 77	3,886 19	39,762 96	37,140 25	10.5
Hospital for Sick Children	"	62,882 01	11,199 38	74,081 39	78,981 50	14.2
St. Michael's Hospital	"	54,047 41	10,494 75	64,542 16	64,533 68	16.2
Western Hospital	"	35,470 60	3,499 04	38,969 64	35,708 01	9.8
The Orthopedic Hospital	"	8,273 84	1,115 33	9,389 17	10,003 97	11.1
City Hospital	Hamilton	55,496 85	7,832 07	63,328 92	68,104 23	11.5
St. Joseph's Hospital	"	7,374 86	1,710 35	9,085 21	8,967 51	19.2
General Hospital	Kingston	25,647 20	3,385 72	29,032 92	25,222 86	13.4
Hotel Dieu Hospital	"	12,705 10	5,483 33	18,188 43	19,257 21	28.4
General Protestant Hospital	Ottawa	45,506 35	2,759 91	48,266 26	46,538 42	5.9
Roman Catholic Hospital	"	32,394 13	3,561 06	35,955 19	30,329 87	11.7
Misericordia Maternity Hospital	"	9,595 05	1,808 76	11,403 81	13,369 00	13.5
Maternity Hospital	"	6,477 80	230 09	6,707 89	6,641 13	3.4
St. Luke's General Hospital	"	27,178 68	3,784 13	30,962 81	30,450 13	12.4
General Hospital	London	57,140 44	4,765 30	61,905 74	62,196 03	7.6
St. Joseph's Hospital	"	18,427 66	1,047 00	19,474 66	19,445 75	5.3
General and Marine Hospital	St. Catharines	8,383 98	1,200 63	9,584 61	11,692 54	10.2
Galt Hospital	Galt	7,471 53	785 91	8,257 44	9,272 99	8.4
General Hospital	Guelph	23,388 67	2,927 48	26,316 15	23,275 75	12.5
St. Joseph's Hospital	"	11,119 75	1,443 46	12,533 21	12,562 68	11.2
General Hospital	Pembroke	6,438 77	1,878 83	8,317 60	8,449 94	22.2
The Cottage Hospital	"	4,889 53	785 93	5,675 46	5,836 46	13.4
General Hospital	Mattawa	3,574 38	811 03	4,385 41	4,390 41	18.3
J. H. Stratford Hospital	Brantford	11,066 91	1,518 71	12,585 62	13,369 16	11.3
St. Joseph's Hospital	Port Arthur	15,638 12	1,685 97	17,324 09	17,397 79	9.7
Belleville Hospital	Belleville	8,526 76	1,326 41	9,853 20	8,865 59	14.9
St. Vincent de Paul Hospital	Brockville	14,471 93	2,024 38	16,496 31	16,225 65	12.4
General Hospital	"	15,755 21	856 55	16,611 76	15,777 46	5.4
General and Marine Hospital	Collingwood	7,172 80	1,043 04	8,215 84	8,181 73	12.7
Nicholl's Hospital	Peterborough	18,258 66	1,582 79	19,841 45	19,711 59	8.0
St. Joseph's Hospital	"	6,811 67	859 84	7,671 51	7,689 90	11.1
Hotel Dieu Hospital	Windsor	7,645 52	942 21	8,587 73	9,202 16	10.2
St. Joseph's Hospital	Chatham	6,846 86	1,315 29	8,162 15	8,157 47	16.1
General Hospital	"	9,767 60	705 07	10,472 67	10,449 27	6.7
General Hospital	Stratford	10,342 42	579 02	10,921 44	10,636 32	5.4
Amasa Wood Hospital	St. Thomas	11,384 73	497 30	11,882 03	12,482 27	3.9
General and Marine Hospital	Owen Sound	6,631 10	666 74	7,297 84	6,970 70	9.5
St. Joseph's Hospital	Sudbury	10,967 70	1,042 09	12,009 79	10,211 11	10.2
Woodstock Hospital	Woodstock	8,647 69	645 46	9,293 15	8,002 04	8.0
Berlin and Waterloo Hospital	Berlin	7,606 65	660 95	8,267 60	8,327 51	7.9
General Hospital	Sarnia	10,597 21	528 93	11,126 14	9,714 01	5.4
Royal Victoria Hospital	Barrie	8,128 81	928 08	9,056 89	7,277 39	10.0
Hotel Dieu Hospital	Cornwall	6,328 17	2,028 18	8,356 35	8,183 15	2.4
General Hospital	"	9,531 08	1,062 17	10,593 25	10,395 04	10.2
Muskoka Cottage Sanatorium	Gravenhurst	36,981 02	.....	36,981 02	42,400 45	.....
Muskoka Free Hosp. for Consumptives	"	28,441 21	7,227 00	35,668 21	35,412 94	20.4
General Hospital	Kenora	14,200 24	594 40	14,794 64	16,023 27	3.7
St. Joseph's Hospital	"	10,022 90	2,270 48	12,293 38	11,967 11	18.9
General Hospital	Sault St.e Marie	12,029 91	2,501 18	14,531 09	12,014 38	20.8
Victorian General Hospital	Renfrew	3,266 17	622 81	3,888 98	4,265 83	14.6
Victorian General Hospital	Thessalon	2,480 24	399 21	2,879 45	3,252 44	12.2
Ross Memorial Hospital	Lindsay	6,310 96	993 30	7,304 26	7,286 17	13.6
John McKellar Memorial Hospital	Fort William	13,211 51	2,487 30	15,698 81	16,915 77	14.7
General Hospital	Walkerton	4,870 39	575 43	5,445 82	5,400 11	10.6
Queen Victoria Hospital	North Bay	6,457 33	1,042 69	7,500 02	5,030 67	20.7
General Hospital	Midland	4,503 33	386 78	4,890 11	4,282 98	9.0
St. Francis' Hospital	Smith's Falls	2,739 96	889 76	3,629 72	3,133 94	28.3
King Edward Sanatorium	Weston	9,394 73	.....	9,394 73	11,625 59	.....
Free Hospital for Consumptives	"	22,050 38	7,797 00	29,847 38	29,150 55	26.7
Mountain Sanatorium	Hamilton	9,376 67	3,930 00	13,306 67	13,674 16	28.6
Victorian Hospital	Almonte	2,714 58	334 44	3,049 02	3,224 62	10.3
General Hospital	Niagara Falls	6,859 14	780 91	7,640 05	6,390 98	12.2
General Hospital	Wingham	3,452 16	415 58	3,867 74	3,920 73	10.6
General and Marine Hospital	Goderich	2,663 58	330 73	2,994 31	2,426 64	13.6
Lady Minto Hospital	New Liskeard	6,087 11	846 51	6,933 62	6,179 09	10.4
Victorian Hospital	Fergus	6,762 87	766 21	7,529 08	8,516 14	8.9
General Hospital	Parry Sound	3,361 54	455 62	3,817 16	4,203 96	10.8
General Hospital	Orillia	3,857 70	203 59	4,061 29	4,413 44	4.6
General Hospital	Welland	3,827 66	.....	3,827 66	4,179 70	.....
Railway, Marine and General Hospi	Port Arthur	3,751 34	.....	3,751 34	3,649 27	.....
Totals for 1909		1,138,921 69	149,258 78	1,288,180 47	1,279,803 76	11.6
Totals for 1908		1,043,861 92	146,360 51	1,190,222 43	1,239,236 87	11.8

TABLE VIII.—Showing the comparative cost per patient daily in the different Hospitals in periods of five years.

Hospitals.	Location.	1900.	1905.	1907.	1908.	1909.
		cents.	cents.	cents.	cents.	cents.
General Hospital	Toronto	.91	1.28	1.36	1.54	1.38
Grace Hospital	"	.71	1.00	1.07	1.12	1.41
Hospital for Sick Children	"	.82	1.25	1.36	1.35	1.63
St. Michael's Hospital	"	.66	.90⅔	.97	.99	1.03
Western Hospital	"	1.39	.92	.96	1.12	1.16
The Orthopedic Hospital	"	1.16	1.10½	1.21	1.28	1.27
City Hospital	Hamilton	1.00	1.14	1.39	1.35	1.34
St. Joseph's Hospital	"	.58	.78	.80	.73	.87
General Hospital	Kingston	.61	.79	1.04	.97	.91
Hotel Dieu Hospital	"	.43	.55	.65	.70	.68
General Protestant Hospital	Ottawa	.83	1.29	1.22	1.48	1.39
Roman Catholic Hospital	"	.64	.81	.85	.96	1.00
Misericordia Maternity Hospital	"	.70	.70	.63	.75	.72
Maternity Hospital	"	1.97	2.03	2.12	2.04	2.25
St. Luke's General Hospital	"	.84	.87	1.35	1.33	1.58
General Hospital	London	.84	1.26	1.51	1.67	1.59
St. Joseph's Hospital	"	.98	1.23	1.04	1.02	1.10
General and Marine Hospital	St. Catharines	.82	1.08	1.00	1.00	1.14
Galt Hospital	Galt	1.11	1.12½	1.25	1.21	1.43
General Hospital	Guelph	.69	1.16	1.20	1.15	1.10
St. Joseph's Hospital	"	.91	.84	.94	1.12	1.00
General Hospital	Pembroke	.49	.53	.67	.62	.63
The Cottage Hospital	"		.97	1.04	1.21	.87
General Hospital	Mattawa	.45	.96	.68	.83	.88
J. H. Stratford Hospital	Brantford	.75	.78	1.23	1.46	1.07
St. Joseph's Hospital	Port Arthur	.39	1.09	1.03	1.11	1.02
Belleville Hospital	Belleville	.78	1.63	1.10	1.05	1.31
St. Vincent de Paul Hospital	Brockville	.59	.87	1.04	.95	1.07
General Hospital	"	.66	1.39	1.09	1.38	1.16
General and Marine Hospital	Collingwood	1.14	.96	.97	.98	1.04
Nicholl's Hospital	Peterborough	1.29	1.95	1.40	1.66	2.08
St. Joseph's Hospital	"	.72	.47	.91	1.06	1.05
Hotel Dieu Hospital	Windsor	.65	.76	1.02	1.10	1.08
St. Joseph's Hospital	Chatham	.56	.72	.77	.80	.74
General Hospital	"	.53	.87	1.00	1.03	.94
General Hospital	Stratford	.95	1.17	1.17	1.26	1.25
Amasa Wood Hospital	St. Thomas	1.24	1.92	1.56	1.77	1.98
General and Marine Hospital	Owen Sound	.63	.89	1.06	1.34	1.29
St. Joseph's Hospital	Sudbury	1.05	1.08	.81	1.05	1.14
Woodstock Hospital	Woodstock	1.23	1.87	1.15	1.21	1.32
Berlin and Waterloo Hospital	Berlin	1.13	1.64	2.02	1.71	1.67
General Hospital	Sarnia	1.05	1.63	1.41	1.42	1.18
Royal Victoria Hospital	Barrie	.84	.93	1.19	.97	1.12
Hotel Dieu Hospital	Cornwall	.42	.53	.65	.68	.70
General Hospital	"	.71	.74	1.02	1.01	1.04
Muskoka Cottage Sanatorium	Gravenhurst	1.29	2.05	2.24	2.12	2.13
Muskoka Free Hosp. for Consumptives	"			1.36	1.56	1.20
General Hospital	Kenora	1.16	1.46	1.18	1.06	1.57
St. Joseph's Hospital	"		2.26	.97	.89	.88
General Hospital	Sault Ste. Marie	.54	.90	.84	1.22	.83
Victoria Hospital	Renfrew		1.49	1.02	1.20	1.52
Victorian Hospital	Thessalon		.72	1.10	1.51	2.37
Ross Memorial Hospital	Lindsay		1.89	1.46	1.62	1.76
John McKellar Memorial Hospital	Fort William		1.08	1.31	1.24	1.19
General Hospital	Walkerton		2.66	1.50	1.43	1.54
Queen Victoria Hospital	North Bay		1.33	1.16	1.11	.79
General Hospital	Midland		2.10	1.33	1.70	1.89
St. Francis' Hospital	Smith's Falls		.78	.80	.75	.81
King Edward Sanatorium	Weston				3.58	1.46
Free Hospital for Consumptives	"		1.53	1.08	1.27	1.07
Mountain Sanatorium	Hamilton			1.09	.96	1.08
Victorian Hospital	Almonte			1.83	1.57	1.47
General Hospital	Niagara Falls			1.80	1.78	1.62
General Hospital	Wingham			2.41	1.48	1.87
General and Marine Hospital	Goderich			1.18	1.28	1.54
General Hospital	New Liskeard			3.33	1.27	1.04
Royal Alexandra Hospital	Fergus				1.58	1.59
General Hospital	Parry Sound				2.00	1.57
General Hospital	Orillia				2.68	1.26
General Hospital	Welland					2.62
Railway, Marine and General Hospital	Port Arthur					2.39
Averages		83½	1.13	1.16	1.21	1.23

SEPARATE REPORTS.

GENERAL HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment in all departments of the Hospital 1st October, 1908	280
Admitted	4,522
Births in the Hospital	302
Total number under treatment	5,104
Discharges, including infants	4,443
Died	340
Under treatment 30th September, 1909	321
Total	5,104

Of the 5,104 inmates during the year, 650 were in the Burnside Lying-in branch, and include 149 male and 153 female children born in the Institution.

Sex.

Male	2,636
Female	2,468
	5,104

Revenue.

From the Province of Ontario	$15,137 36
From the City of Toronto in payment of patients' maintenance	36,972 00
From the County of York in payment of patients' maintenance	987 10
From other municipalities of the Province	546 00
From paying patients themselves	68,774 24
Income from property belonging to Hospital Trust	34,721 90
Subscriptions, donations and bequests of private individuals	3,532 21
From all other sources not above enumerated	3,224 91
Total	$163,895 72

Expenditures.

Butchers' meat, poultry and fish	$12,291 47
Butter and eggs	11,138 90
Flour, bread and meal	3,165 29
Milk	7,699 32
Tea and coffee	1,628 96
Potatoes and other vegetables	5,708 65
Groceries and provisions not enumerated	8,107 46
Drugs and medicines	5,725 81
Medical and surgical appliances, bandages, etc	9,349 82
Surgical instruments, ordinary	1,487 98
Laboratory supplies	1,016 90
Beer, wine and spirits	1,175 11
Bedding, napery and general house furnishings	7,351 28
Brooms, brushes, mops, laundry, soap and cleansing appliances	8,758 32
Fuel	6,097 74
Light; gas, oil and candles	4,821 65
Water supply	592 00
Nurses' uniforms, badges, etc.	1,118 31
Clothing for patients	450 86
Ice supply	938 53
Salaries and wages	39,434 80
Legal expenses	343 84
Medical salaries	1,391 78
Allowance and grant	1,250 00
Contingencies	754 45
Repairs, ordinary	4,362 34
Telephone	311 16
Interest on debt and insurance	2,064 02
Printing, postage, stationery, etc.	2,037 20
Insurance	681 25
Total	$151,255 20
Government grant for 1909	$15,590 32

GRACE HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment in the Hospital, 1st October, 1908	88
Admitted	1,348
Births in the Hospital	290
Total number under treatment	1,726

GRACE HOSPITAL, TORONTO.—*Continued.*

Discharges, including infants..	1,538
Died	92
Under treatment, 30th September, 1909	96
	1,726

Sex.

Male	638
Female	1,088
	1,726

Revenue.

From the Government of Ontario	$3,886 19
From the City of Toronto in payment of patients' maintenance	6,141 10
From other municipalities	597 10
From paying patients themselves	28,041 31
Income from endowments, etc.	908 46
Subscriptions, donations and bequests of private individuals	30 50
From all sources not above enumerated	158 30
Total	$39,762 96

Expenditures.

Butchers' meat	$3,489 61
Butter	1,253 05
Flour, bread and meal	859 67
Milk	2,069 23
Tea and coffee	328 77
Potatoes and other vegetables.	904 00
Eggs	407 77
Groceries and provisions not enumerated	1,935 82
Drugs and medicines	1,221 73
Medical and surgical appliances	2,563 90
Surgical instruments	56 73
Beer, wine and spirits	238 27
Bedding, napery and general house furnishings	1,872 38
Brooms, brushes, mops, soap and cleaning appliances	769 19
Fuel	3,860 95
Light; electric, oil and candles	1,273 19
Water supply	313 92
Hay and straw	1 40
Ice	400 07
Salaries and wages	9,496 31
Taxes and insurance	154 05
Contingencies	747 90
Repairs, ordinary	2,317 30
Advertising, stationery, etc.	602 04
Clothing for patients	3 00
Total	$37,140 25
Government grant for 1909	$3,285 90

HOSPITAL FOR SICK CHILDREN, TORONTO.

The following summaries show the operations of the Institution during the year:

Movements of Patients.

Under treatment 1st October, 1908	150
Admitted	1,005
Total number under treatment	1,155
Discharged	858
Died	168
Under treatment 30th September, 1909	129
	1,115

Sex.

Male	629
Female	526
	1,155

Revenue.

From the Province of Ontario.	$11,199 38
From the City of Toronto	18,000 00
From the County of York	300 00
From other municipalities	3,764 00
From patients themselves for maintenance and treatment.	6,216 64
From property belonging to the Hospital	1,540 00
From subscriptions, donations and bequests from private individuals	32,627 37
From all other sources not enumerated	434 00
Total	$74,081 39

Expenditures.

Butchers' meat	$3,485 75
Butter and eggs	2,876 72
Flour bread and meal	1,450 82
Milk	3,494 02
Tea and coffee	340 12
Potatoes and other vegetables.	979 46
Groceries and provisions not enumerated	3,479 08
Drugs and medicines	4,223 16

HOSPITAL FOR SICK CHILDREN, TORONTO.—*Continued.*

Medical and surgical appliances	3,816 81
Surgical instruments	231 50
Bedding, napery and general house furnishings	1,000 20
Brooms, brushes, mops, soap and cleaning appliances	1,422 10
Fuel	5,930 05
Light; gas, oil and candles	2,235 60
Water supply	1,414 38
Clothing for patients, including boots and shoes	1,551 24
Ice	320 28
Salaries and wages	26,820 90
Insurance and taxes	2,160 14
Contingencies	1,904 99
Repairs, ordinary	2,457 71
Printing, stationery, etc.	6,180 27
Telephone and electricity	1,206 20
Total	$78,981 50
Government grant for 1909...	$ 9,463 60

ST. MICHAEL'S HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	171
Admitted	2,529
Births in the Hospital	215
Total number under treatment	2,915
Discharges, including infants...	2,532
Died	193
Under treatment 30th September, 1909	190
	2,915

Sex.

Male	1,552
Female	1,363
	2,915

Revenue.

From the Government of Ontario	$10,494 75
From the City of Toronto in payment of patients' maintenance	21,788 90
From the County of York	255 00
From other municipalities	105 00
From paying patients themselves	30,335 51
Subscriptions, donations and bequests of private individuals	635 00
From all other sources not above enumerated	928 00
Total	$64,542 16

Expenditures.

Butchers' meat, poultry and fish	$7,908 60
Butter and eggs	4,601 92
Flour, bread and meal	2,766 74
Milk	4,575 89
Tea and coffee	859 81
Potatoes, other vegetables and fruit	3,135 63
Groceries and provisions not enumerated	3,175 83
Drugs and medicines	3,452 53
Medical and surgical appliances	3,840 14
Surgical instruments	861 46
Beer, wine and spirits	517 52
Bedding, napery and general house furnishings	3,249 40
Brooms, brushes, mops, soap and cleaning appliances	1,144 58
Fuel	5,393 41
Light; gas, oil, candles and electric light	1,602 39
Water supply	701 34
Ice	479 50
Salaries and wages	11,695 00
Taxes and insurance	730 26
Contingencies	72 50
Repairs, ordinary	3,007 52
Telephone service	126 65
Advertising, printing, stationery, etc., etc.	635 06
Total	$64,533 68
Government grant for 1909...	$10,121 66

WESTERN HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	114
Admitted	1,488
Births in Hospital	119
Total number under treatment.	1,721

Lakeside Hospital for Sick Children, Toronto.

WESTERN HOSPITAL, TORONTO.—*Continued.*

Discharged	1,509
Died	103
Under treatment 30th September, 1909	109
	1,721

Sex.

Male	778
Female	943
	1,721

Revenue.

From the Province of Ontario	$3,499 04
From the City of Toronto	7,988 40
From the patients for maintenance and treatment	27,081 20
From subscriptions, donations and bequests from private individuals	.....
From other sources	401 00
Total	$38,969 64

Expenditures.

Butchers' meat	$2,705 41
Butter and eggs	1,770 64
Flour, bread and meal	834 61
Milk	1,831 60
Tea and coffee	245 59
Potatoes and other vegetables	1,654 34
Groceries and provisions not enumerated	1,876 35
Drugs and medicines	1,339 81
Medical and surgical appliances	2,918 93
Telephone	123 75
Beer, wine and spirits	74 85
Bedding, napery and general house furnishings	664 61
Brooms, brushes, mops, soap and cleaning appliances	94 56
Fuel	2,464 81
Light; gas, oil and candles	1,366 95
Water	324 68
Ice supply	190 20
Salaries and wages	7,539 27
Taxes and insurance	924 77
Contingencies	2,899 29
Repairs, ordinary	1,252 62
Clothing for patients	641 36
Laundry	1,069 01
Legal expenses	900 00
Total	$35,708 01
Government grant for 1909	$3,279 91

THE ORTHOPEDIC HOSPITAL, TORONTO.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	32
Admitted	216
Total number under treatment	248
Discharges	228
Died	2
Under treatment 30th September, 1909	18
	248

Sex.

Male	133
Female	115
	248

Revenue.

From the Government of Ontario	$1,115 33
From the City of Toronto in payment of patients' maintenance	.....
Income from endowments, etc., or other property belonging to the Hospital	188 49
From paying patients themselves	8,065 73
Subscriptions, donations and bequests of private individuals	.....
From all other sources not above enumerated	19 62
Total	$9,389 17

Expenditures.

Butchers' meat	$617 97
Butter and eggs	578 33
Flour, bread and meal	308 16
Milk	464 95
Tea and coffee	82 15
Potatoes and other vegetables	448 37
Groceries and provisions not enumerated	397 52
Drugs and medicines	157 00
Medical and surgical appliances, surgical instruments	627 68
Bedding, napery and general house furnishings	77 51
Brooms, brushes, mops, soap and cleaning appliances	81 94

THE ORTHOPEDIC HOSPITAL, TORONTO.—*Continued.*

Fuel	765 67	Contingencies	2,092 81
Light; gas, oil and candles	312 93	Repairs, ordinary	304 04
Water supply	71 26	Clothing for patients	.....
Ice	37 20		
Salaries and wages	2,479 00	Total	$10,003 97
Taxes and insurance	99 88	Government grant for 1909	$412 97

CITY HOSPITAL, HAMILTON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	138
Admitted	2,495
Births in the Hospital	131
Total number under treatment	2,764
Discharged	2,368
Died	224
Under treatment 30th September, 1909	172
	2,764

Sex.

Male	1,370
Female	1,394
	2,764

Revenue.

From the Province of Ontario	$7,832 07
From the City of Hamilton	27,748 66
From the County of Wentworth	.....
From paying patients themselves	27,748 19
From all other sources	.....
Total	$55,496 85

Expenditures.

Butchers' meat, poultry, etc	$6,432 22
Butter, eggs, bacon and pork	5,428 13
Flour, bread and meal	1,446 04
Milk	2,378 14
Tea and coffee	551 00
Potatoes and other vegetables	833 55
Groceries and provisions not enumerated	5,432 73
Drugs and medicines	3,070 78
Surgical instruments and appliances	3,657 94
Beer, wine and spirits	216 43
Bedding, furnishings, etc	3,282 30
Brooms, brushes, mops, soap and cleansing appliances	651 34
Fuel	6,001 52
Light; gas, oil and candles	2,164 22
Water supply	1,049 45
Hay and straw	47 37
Clothing for patients, including boots and shoes	34 50
Ice	415 41
Salaries and wages	19,059 89
Taxes and insurance	1,142 89
Contingencies	2,705 69
Repairs, ordinary	778 30
Advertising, printing and stationery	784 59
Hardware, paints and oils	539 80
Total	$68,104 23
Government grant for 1909	$7,510 48

ST. JOSEPH'S HOSPITAL, HAMILTON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	34
Admitted	531
Births in Hospital	....
Total number under treatment	565
Discharged	504
Died	27
Under treatment 30th September, 1909	34
	565

Sex.

Male	211
Female	354
	565

ST. JOSEPH'S HOSPITAL, HAMILTON.—*Continued.*

Revenue.

From the Province of Ontario	$1,710 35
From the City of Hamilton....	.....
From other municipalities in the Province	.....
From paying patients themselves	7,359 86
Subscriptions, donations and bequests in cash	15 00
Total	$9,085 21

Expenditures.

Butchers' meat and fish.....	$1,328 29
Butter and eggs	755 08
Flour, bread and meal.....	448 62
Milk	611 45
Tea and coffee	131 50
Potatoes and other vegetables.	164 22
Groceries and other provisions not enumerated	568 69
Drugs and medicines	442 46
Medical and surgical appliances	493 48
Surgical instruments	55 95
Beer, wine and spirits.....	54 10
Bedding, etc.	410 55
Brooms, brushes, mops, soap and cleaning appliances.....	137 76
Fuel	669 60
Light; gas, oil and candles ...	215 84
Water supply	40 00
Clothing for patients, including boots and shoes	394 44
Ice supply	83 40
Salaries and wages	425 50
Taxes, insurance and interest.	893 29
Contingencies	388 36
Repairs, ordinary	254 93
Total	$8,967 51
Government grant for 1909....	$1,363 86

GENERAL HOSPITAL, KINGSTON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	90
Admitted	1,410
Births in Hospital	53
Total number under treatment	1,553
Discharged	1,412
Died	70
Under treatment 30th September, 1909	71
	1,553

Sex.

Male	784
Female	769
	1,553

Revenue.

From the Province of Ontario	$3,385 72
From the City of Kingston....	4,000 00
From the County of Frontenac	1,000 00
From other municipalities in the Province	780 00
From paying patients themselves for treatment	13,605 02
Income from endowment and other property of Hospital	.....
Subscriptions, donations and bequests	5,135 18
From all other sources not enumerated	1,127 00
Total	$29,052 92

Expenditures.

Butchers' meat	$1,206 09
Butter and eggs	2,376 96
Flour, bread and meal.....	750 64
Milk	1,082 95
Tea and coffee	342 98
Potatoes and other vegetables.	459 53
Groceries and provisons not enumerated	2,570 04
Drugs and medicines	1,179 15
Surgical instruments and appliances	1,199 48
Drugs and medicines	1,179 15
Beer, wine and spirits.....	71 08
Bedding, napery and general house furnishings	254 76
Brooms, brushes, mops, soap and cleaning appliances	501 40
Fuel	2,955 45
Light; gas, oil and candles....	1,174 30
Water Supply	75 00
Ice	55 50
Salaries and wages	5,268 09
Insurance and taxes	45 00
Contingencies	2,305 02
Repairs, ordinary	1,339 19
Clothing for patients	10 25
Total	$25,222 86
Government grant for 1909 ..	$3,627 85

HOTEL DIEU HOSPITAL, KINGSTON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	65
Admitted	1,399
Total number under treatment	1,464
Discharged	1,352
Died	40
Under treatment 30th September, 1909	72
	1,464

Sex.

Male	767
Female	697
	1,464

Revenue.

From the Province of Ontario	$5,483 33
From the City of Kingston	1,000 00
From the County of Frontenac	700 00
From other municipalities	110 00
From patients themselves for maintenance and treatment	8,030 58
Subscriptions, donations and bequests	1,675 06
From other sources not enumerated	1,189 46
Total	$18,188 43

Expenditures.

Butchers' meat	$1,916 08
Butter and eggs	1,788 18
Flour, bread and meal	1,219 00
Milk	1,370 94
Tea and coffee	470 41
Potatoes and other vegetables.	499 17
Groceries and provisions not enumerated	1,912 73
Drugs and medicines	912 22
Medical and surgical appliances	437 62
Surgical instruments	27 60
Beer, wine and spirits	99 55
Bedding, napery and general house furnishings	1,199 88
Brooms, brushes, mops, soap and cleaning appliances	381 88
Fuel	2,095 22
Light; gas, oil and candles	891 72
Water supply	75 00
Clothing for patients, including boots and shoes	70 17
Ice	31 25
Salaries and wages	736 50
Taxes and insurance	619 85
Hay and straw	91 87
Contingencies	628 04
Repairs, ordinary	1,782 33
Total	$19,257 21
Government grant for 1909	$5,081 53

GENERAL PROTESTANT HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	85
Admitted	1,737
Births in the Hospital	....
Total number under treatment	1,822
Discharged	1,625
Died	87
Under treatment 30th September, 1909	110
	1,822

Sex.

Male	949
Female	873
	1,822

Revenue.

From the Province of Ontario	$2,759 91
From the City of Ottawa	10,193 60
From the County of Carleton	600 00
From other municipalities	270 00
From patients themselves for maintenance and treatment.	27,108 32
Income from endowments, investments, etc.	588 98
Subscriptions, donations and bequests of private individuals	6,379 24
From other sources not enumerated	366 21
Total	$48,266 26

GENERAL PROTESTANT HOSPITAL, OTTAWA.—*Continued.*

Expenditures.

Butchers' meat	$3,303 16
Butter and eggs	2,597 44
Flour, bread and meal	945 36
Milk	2,467 48
Tea and coffee	417 13
Potatoes and other vegetables.	596 65
Groceries and provisions not enumerated	4,738 25
Drugs and medicines	1,694 24
Medical and surgical appliances	2,434 07
Surgical instruments	450 66
Beer, wine and spirits	153 51
Bedding, napery and general house furnishings	741 69
Brooms, brushes, mops, soap and cleaning appliances	454 07
Fuel	4,818 77
Light; gas, oil, candles and electric light	446 80
Water supply	402 66
Clothing for patients, including boots and shoes	61 95
Ice	217 45
Salaries and wages	13,176 47
Taxes and insurance	269 46
Contingencies	1,398 92
Repairs, ordinary	3,558 23
Interest	1,194 00
Total	$46,538 42
Government grant for 1909	$3,683 23

ROMAN CATHOLIC HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	79
Admitted	1,754
Total number under treatment	1,833
Discharged	1,637
Died	98
Under treatment 30th September, 1909	98
	1,833

Sex.

Male	986
Female	847
	1,833

Revenue.

From the Province of Ontario	$3,561 06
From the City of Ottawa	8,742 49
From the County of Carleton.	300 00
From other municipalities	1,370 50
From patients themselves for maintenance and treatment.	20,590 19
Income from property	.....
Subscriptions, donations and bequests of private individuals	813 44
From all other sources not enumerated	577 60
Total	$35,955 19

Expenditures.

Butchers' meat	$3,916 97
Butter and eggs	2,397 11
Flour, bread and meal	960 16
Milk	1,734 18
Tea and coffee	455 24
Potatoes and other vegetables.	797 50
Groceries and provisions not enumerated	1,329 22
Drugs and medicines	1,288 99
Medical and surgical appliances	843 91
Surgical instruments	450 00
Beer, wine and spirits	207 05
Bedding, napery and general house furnishings	1,323 17
Brooms, brushes, mops, soap and cleaning appliances	352 35
Fuel	3,981 14
Light; gas, oil, candles	650 06
Water supply	182 50
Clothing for patients, including boots and shoes	928 63
Ice	270 00
Salaries and wages	4,017 34
Taxes and insurance	1,142 24
Contingencies	205 14
Repairs, ordinary	2,896 97
Total	$30,329 87
Government grant for 1909	$4,777 07

MISERICORDIA MATERNITY HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	43
Admitted	215
Births in Hospital	213
Total number under treatment	471
Discharged	415
Died	26
Under treatment 30th September, 1909	30
	471

Sex.

Male	125
Female	346
	471

Revenue.

From the Province of Ontario	$1,808 76
From the City of Ottawa	300 00
From the County of Carleton.	50 00
From paying patients themselves	2,975 84
From subscriptions and donations	2,019 21
From other sources	4,260 00
Total	$11,413 81

Expenditures.

Butchers' meat	$1,422 92
Butter and eggs	1,011 80
Flour, bread and meal	732 61
Milk	837 14
Tea and coffee	346 00
Potatoes and other vegetables..	496 74
Groceries and provisions not enumerated	642 25
Drugs and medicines	435 65
Medical and surgical appliances	88 86
Surgical instruments	85 81
Beer, wine and spirits	96 00
Bedding, napery and general house furnishings	120 00
Brooms, brushes, mops, soap and cleaning appliances	845 47
Fuel	1,357 95
Light; gas, oil and candles	352 60
Water supply	222 68
Hay and straw	164 00
Clothing for patients, including boots and shoes	230 89
Salaries and wages	2,881 28
Taxes and insurance	202 21
Coffins and funerals	109 53
Contingencies	152 45
Repairs, ordinary	446 16
Ice supply	20 00
Total	$13,369 00
Government grant for 1909	$2,066 58

MATERNITY HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	10
Admitted	212
Number of births	187
Total number under treatment	409
Discharged	384
Died	22
Under treatment 30th September, 1909	3
	409

Sex.

Male	94
Female	315
	409

Revenue.

From the Province of Ontario.	$230 09
From the City of Ottawa	300 00
From the County of Carleton..	50 00
From paying patients themselves	4,642 60
From subscriptions and donations	1,485 20
From other sources	.....
Total	$6,707 89

Expenditures.

Butchers' meat	$394 82
Butter and eggs	357 35
Flour, bread and meal	111 08
Milk	233 31
Tea and coffee	66 65
Potatoes and other vegetables..	130 16
Groceries and provisions not enumerated	613 51
Drugs and medicines	288 55
Medical and surgical appliances	641 82
Bedding, napery and general house furnishings	423 41
Fuel	874 95

Victoria General Hospital, London.

MATERNITY HOSPITAL, OTTAWA.—*Continued.*

Light; gas, oil, candles and electric light	190 33
Water supply	.....
Ice	33 00
Salaries and wages	1,809 92
Stationery, printing, etc.	.....
Contingencies	170 78
Repairs, ordinary	129 67
Taxes and insurance	171 82
Total	$6,641 13
Government grant for 1909	$264 23

ST. LUKE'S GENERAL HOSPITAL, OTTAWA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	58
Admitted	1,136
Total number under treatment	1,194
Discharged	1,093
Died	34
Under treatment 30th September, 1909	67
	1,194

Sex.

Male	710
Female	484
	1,194

Revenue.

From the Province of Ontario	$3,784 13
From the City of Ottawa	4,904 00
From the County of Carleton	200 00
From paying patients themselves	17,422 59
Income from investments	200 00
From subscriptions and donations	2,242 77
From other sources	1,209 32
Total	$30,962 81

Expenditures.

Butchers' meat	$4,947 07
Butter and eggs	1,562 11
Flour, bread and meal	795 55
Milk	1,299 92
Tea and Coffee	340 75
Potatoes and other vegetables	348 66
Groceries and provisions not enumerated	2,097 51
Drugs and medicines	1,568 70
Medical and surgical appliances	1,374 25
Surgical instruments	88 17
Beer, wine and spirits	136 10
Bedding, napery and general house furnishings	989 43
Brooms, brushes, mops, soap and cleaning appliances	374 79
Fuel	3,012 49
Light; gas, oil, candles and electric light	273 99
Water supply	.....
Clothing for patients, including boots and shoes	.....
Ice	.....
Salaries and wages	8,289 55
Taxes, insurance and interest	348 24
Contingencies	1,644 14
Repairs, ordinary	958 71
Total	$30,450 13
Government grant for 1909	$1,809 66

GENERAL HOSPITAL, LONDON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	107
Admitted	1,711
Births in the Hospital	152
Total number under treatment	1,970
Discharged	1,744
Died	114
Under treatment 30th September, 1909	112
	1,970

Sex.

Male	914
Female	1,056
	1,970

GENERAL HOSPITAL, LONDON.—*Continued.*

Revenue.

From the Province of Ontario	$4,765 30
From the City of London	26,736 52
From the County of Middlesex in payment for patients	3,333 75
From paying patients themselves	24,956 48
From income from property or investments	570 70
Subscriptions, donations and bequests	1,542 99
Total	$61,905 74

Expenditures.

Butchers' meat	$4,613 76
Butter and eggs	4,239 60
Flour, bread and meal	1,099 97
Milk	3,569 43
Tea and coffee	641 87
Potatoes and other vegetables	909 40
Groceries and provisions not enumerated	3,132 15
Drugs and medicines	3,642 55
Surgical instruments	2,522 50
Medical and surgical appliances	93 42
Beer, wine and spirits	265 10
Bedding, napery and general house furnishings	2,475 14
Brooms, brushes, mops, soap and cleaning appliances	1,141 68
Fuel	5,580 52
Light; gas, oil and candles	1,964 26
Water	108 40
Ice	301 48
Salaries and wages	20,631 15
Taxes, insurance and interest	149 60
Contingencies	1,713 72
Repairs, ordinary	2,113 89
Printing and stationery	357 00
Total	$62,196 03
Government grant for 1909	$4,672 73

ST. JOSEPH'S HOSPITAL, LONDON.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	54
Admitted	738
Births in Hospital	69
Total number under treatment	861
Discharged	772
Died	31
Under treatment 30th September, 1909	58
	861

Sex.

Male	331
Female	530
	861

Revenue.

From the Province of Ontario	$1,047 00
From paying patients	18,338 66
Subscriptions, donations, etc.	89 00
Other sources	.....
Total	$19,474 66

Expenditures.

Butchers' meat	$1,694 33
Butter and eggs	1,316 04
Flour, bread and meal	615 33
Milk	1,725 70
Tea and coffee	165 95
Potatoes and other vegetables	255 38
Groceries and provisions not enumerated	1,767 65
Drugs and medicines	943 97
Surgical instruments	.....
Medical and surgical appliances	400 86
Beer, wine and spirits	72 25
Bedding, napery and general house furnishings	2,421 00
Brooms, brushes, mops, soap and cleaning appliances	212 57
Fuel	2,306 68
Light; gas, oil and candles	539 15
Water	242 49
Telephone	57 00
Clothing for patients	.....
Ice	109 84
Salaries and wages	2,594 35
Insurance and taxes	66 40
Contingencies	268 09
Repairs, ordinary	1,680 72
Total	$19,455 75
Government grant for 1909	$1,157 74

GENERAL AND MARINE HOSPITAL, ST. CATHARINES.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	21
Admitted	437
Births in Hospital	57
Total number under treatment	515
Discharged	431
Died	46
Under treatment 30th September, 1909	38
	515

Sex.

Male	231
Female	284
	515

Revenue.

From the Province of Ontario	$1,200 63
From the City of St. Catharines	.....
From the County of Lincoln...	600 00
From other municipalities.....	.....
From patients themselves for maintenance and treatment.	6,816 85
From endowments, investments, or other property belonging to the Hospital	245 00
From subscriptions, bequests and donations of private persons	72 00
From all other sources not above enumerated	650 13
Total	$9,584 61

Expenditures.

Butchers' meat and fish	$1,247 89
Butter and eggs	926 91
Flour, bread and meal	273 49
Milk	696 93
Tea and coffee	197 15
Potatoes and other vegetables and fruit	284 05
Groceries and provisions not enumerated	490 75
Drugs and medicines	714 85
Medical and surgical appliances	333 75
Surgical instruments	86 94
Beer, wine and spirits	10 75
Bedding, napery and general house furnishings	368 70
Brooms, brushes, mops, soap and cleaning appliances	143 65
Fuel	1,024 51
Light; gas, oil and candles	25 00
Water supply	45 00
Boots and shoes (nurses)	108 96
Ice	143 67
Salaries and wages	3,594 60
Taxes and insurance	391 49
Contingencies	369 09
Repairs, ordinary	214 41
Total	$11,692 54
Government grant for 1909	$1,213 11

GALT HOSPITAL, GALT.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	18
Admitted	320
Number of births in the Institution	12
Total number under treatment	350
Discharged	298
Died	34
Under treatment 30th September, 1909	18
	350

Sex.

Male	150
Female	200
	350

Revenue.

From the Province of Ontario	$785 91
From the Town of Galt	1,000 00
From the County of Waterloo.	1,250 00
From other municipalities	100 00
From paying patients themselves	4,570 95

GALT HOSPITAL, GALT.—*Continued.*

From subscriptions, bequests and donations of private individuals	367 53
From other sources	183 03
Total	$8,257 44

Expenditures.

Butchers' meat	$618 34
Butter and eggs	347 49
Flour, bread and meal	392 13
Milk	283 90
Tea and coffee	87 75
Potatoes and other vegetables.	55 22
Groceries and provisions not enumerated	650 99
Drugs and medicines	569 16
Medical and surgical appliances	370 50
Beer, wine and spirits	67 85
Bedding, napery and general house furnishings	101 25
Brooms, brushes, mops, soap and cleaning appliances	243 61
Fuel	860 16
Light; gas, oil and candles	375 85
Water supply	157 16
Hay and straw	203 45
Ice	92 30
Salaries and Wages	2,886 30
Taxes and insurance	116 66
Contingencies, advertising, postage, etc.	231 71
Repairs, ordinary	511 71
Clothing for patients	49 50
Total	$6,837 17
Government grant for 1909	$816 94

GENERAL HOSPITAL, GUELPH.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	58
Admitted	807
Births in Hospital	67
Total number under treatment	932
Discharged	837
Died	31
Under treatment 30th September, 1909	64
	932

Sex.

Male	465
Female	467
	932

Revenue.

Received from the Province of Ontario	$2,927 48
From the City of Guelph	6,500 00
From the County of Wellington	1,200 00
From other municipalities	135 00
From paying patients	14,767 55
Subscriptions, donations, etc.	.....
From other sources not enumerated	786 12
Total	$26,316 15

Expenditures.

Butchers' meat	$1,859 44
Butter and eggs	1,783 47
Flour, bread and meal	995 57
Milk	12 00
Tea and coffee	268 79
Potatoes and other vegetables.	130 60
Groceries and provisions not enumerated	2,064 85
Drugs and medicines, surgical instruments and appliances.	1,997 82
Beer, wine and spirits	119 70
Bedding, napery and general house furnishings	594 60
Brooms, brushes, mops, etc.	370 71
Fuel	2,861 18
Light; gas, oil and candles	871 69
Water supply	83 10
Hay and straw	197 32
Ice	115 90
Salaries and wages	6,514 30
Contingencies	660 98
Repairs, ordinary	1,573 73
Taxes and insurance	.....
Clothing for patients	.....
Total	$23,275 75
Government aid for 1909	$3,492 16

General Hospital, Kingston.

ST. JOSEPH'S HOSPITAL, GUELPH.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1907	39
Admitted	492
Births in Hospital	10
Total number under treatment	541
Discharged	481
Died	24
Under treatment 30th September, 1909	36
	541

Sex.

Male	248
Female	293
	541

Revenue.

From the Province of Ontario	$1,413 46
From the City of Guelph	700 00
From the County of Wellington	1,000 00
From other municipalities of the Province	.....
From paying patients	8,903 17
Subscriptions, donations, etc.	205 10
Other sources	311 48
Total	$12,533 21

Expenditures.

Butchers' meat and fish	$1,933 15
Butter and eggs	926 22
Flour, bread and meal	81[illegible] 00
Milk	87 60
Tea and coffee	.....
Potatoes and other vegetables.	.....
Groceries and provisions not enumerated	1,824 81
Drugs and medicines	469 77
Medical and surgical appliances	464 88
Surgical instruments	149 34
Beer, wine and spirits	53 60
Bedding, napery and general furnishings	881 40
Brooms, brushes, mops, soap and cleaning appliances	203 26
Fuel	1,493 20
Light; gas, oil and candles	395 12
Water supply	50 00
Salaries and wages	849 20
Taxes, interest and insurance.	825 50
Contingencies	620 11
Repairs, ordinary	480 97
Ice supply	27 55
Clothing for patients	10 00
Total	$12,562 68
Government aid for 1909	$1,759 95

GENERAL HOSPITAL, PEMBROKE.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	33
Admitted	481
Births in Hospital	1
Total number under treatment	515
Discharged	432
Died	31
Under treatment 30th September, 1909	52
	515

Sex.

Male	252
Female	263
	515

Revenue.

From the Province of Ontario	$1,878 83
From the County of Renfrew	200 00
From other municipalities	20 00
From patients themselves	3,654 00
From subscriptions, bequests and donations of private individuals	2,397 77
From all other sources	167 00
Total	$8,317 60

Expenditures.

Butchers' meat	$610 98
Butter and eggs	793 31
Flour, bread and meal	481 75
Milk	98 30
Tea and coffee	201 15
Potatoes and other vegetables	87 00

GENERAL HOSPITAL, PEMBROKE.—*Continued.*

Groceries and provisions not enumerated	711 05
Surgical instruments	.....
Drugs and medicines	391 78
Medical and surgical appliances	.....
Beer, wine and spirits	99 16
Bedding, napery and general house furnishings	439 89
Brooms, brushes, mops, soap and cleaning appliances	81 00
Fuel	1,036 77
Light; gas, oil and candles	100 04
Water	120 00
Hay and straw	275 19
Clothing for patients, including boots and shoes	172 10
Ice	20 00
Salaries and wages	2,393 30
Contingencies	99 61
Repairs, ordinary	189 31
Taxes and insurance	30 00
Telephone	18 25
Total	$8,449 94
Government grant for 1909	$2,332 08

COTTAGE HOSPITAL, PEMBROKE.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	17
Admitted	224
Births in Hospital	6
Total number under treatment	247
Discharged	218
Died	15
Under treatment 30th September, 1909	14
	247

Sex.

Male	134
Female	113
	247

Revenue.

From the Province	$785 93
From the County of Renfrew	200 00
From other municipalities	.....
From patients themselves for maintenance and treatment	3,453 27
From subscriptions, donations and bequests from private individuals	825 78
From other sources	410 48
Total	$5,675 46

Expenditures.

Butchers' meat	$306 21
Butter and eggs	349 41
Flour, bread and meal	135 20
Milk	114 78
Tea and coffee	18 10
Potatoes and other vegetables.	90 16
Groceries and provisions not enumerated	395 89
Drugs and medicines	167 87
Medical and surgical appliances	259 07
Bedding, napery and general house furnishings	240 04
Brooms, brushes, mops, soap and cleaning appliances	50 90
Fuel	462 23
Light; gas, oil and candles	121 36
Water supply	50 40
Ice	50 40
Salaries and wages	2,671 48
Taxes and insurance	40 20
Hay and straw	76 66
Contingencies	118 98
Repairs, ordinary	115 12
Total	$5,836 46
Government grant for 1909	$1,219 72

GENERAL HOSPITAL, MATTAWA.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	17
Admitted	228
Total number under treatment	245
Discharged	203
Died	12
Under treatment 30th September, 1909	30
	245

GENERAL HOSPITAL, MATTAWA.—*Continued.*

Sex.

Male	197
Female	48
	245

Revenue.

From the Province of Ontario	$811 03
From the County of Renfrew	.....
From patients for maintenance and treatment	1,951 36
From subscriptions, bequests and donations of private individuals	623 02
From other sources	1,000 00
Total	$4,385 31

Expenditures.

Butchers' meat	$340 66
Butter and eggs	370 40
Flour, bread and meal	200 50
Milk	90 80
Tea and coffee	50 36
Potatoes and other vegetables.	100 00
Groceries and provisions not enumerated	480 70
Drugs, medicines	160 25
Medical and surgical appliances	125 00
Beer, wine and spirits	36 00
Bedding, napery and general house furnishings	230 00
Brooms, brushes, etc.	40 50
Fuel	295 00
Light; gas, oil and candles	125 00
Water supply	136 75
Hay and straw	200 40
Ice	95 00
Salaries and wages	804 00
Taxes and insurance	50 00
Repairs, ordinary	280 25
Contingencies	178 84
Total	$4,390 41
Government grant for 1909	$882 30

THE JOHN H. STRATFORD HOSPITAL, BRANTFORD.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	47
Admitted	456
Births in the Hospital	19
Total number under treatment	522
Discharged	447
Died	34
Under treatment 30th September, 1909	41
	522

Sex.

Male	285
Female	237
	522

Revenue.

From the Province of Ontario	$1,518 71
From the City of Brantford	3,500 00
From the County of Brant	558 27
From patients for maintenance and treatment	6,885 22
Income from endowments, investments, etc.	76 50
From subscriptions, donations and bequests from private individuals	.....
From all other sources	46 92
Total	$12,585 62

Expenditures.

Butchers' meat	$955 67
Butter and eggs	483 12
Flour, bread and meal	293 28
Milk	.....
Tea and coffee	92 26
Potatoes and other vegetables.	127 73
Groceries and provisions not enumerated	504 32
Drugs and medicines	897 32
Medical and surgical appliances	26 21
Surgical instruments	.....
Beer, wine and spirits	9 86
Bedding, napery and general house furnishings	519 18
Brooms, brushes, mops, soap and cleaning appliances	60 57
Fuel	1,835 64
Light; gas, oil and candles	470 60
Ice	100 00
Salaries and wages	4,774 09
Taxes and insurance	306 16
Contingencies	684 10
Repairs, ordinary	673 90
Hay and straw	273 03
Garden and grounds	62 84
Total	$13,149 88
Government grant for 1909	$1,853 23

ST. JOSEPH'S HOSPITAL, PORT ARTHUR.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	60
Admitted	924
Births in Hospital	18
Total	1,002
Discharged	890
Died	47
Under treatment 30th September, 1909	65
	1,002

Sex.

Male	794
Female	208
	1,002

Revenue.

From the Province of Ontario	$1,685 97
From the Dominion Government	100 00
From the Town of Port Arthur	1,500 00
From paying patients themselves	11.730 37
From subscriptions, donations, etc.	1,727 75
From other sources	1,080 00
Total	$17,324 09

Expenditures.

Butchers' meat	$1,142 16
Butter and eggs	681 88
Flour, bread and meal	655 13
Milk	1,006 25
Tea and coffee	269 77
Potatoes and other vegetables	200 00
Groceries and provisions not enumerated	1,435 74
Drugs and medicines	648 41
Medical and surgical appliances	289 08
Surgical instruments	79 00
Beer, wine and spirits	385 50
Bedding, etc.	1,063 48
Brooms, brushes, mops, soap and cleaning appliances	201 40
Fuel	1,465 27
Light; gas, oil and candles	162 00
Water supply	277 63
Ice supply	56 42
Clothing for patients, including boots and shoes	.....
Salaries and wages	2,976 75
Taxes and insurance	143 02
Contingencies	1,226 42
Repairs, ordinary	3,032 48
Total	$17,397 79
Government grant for 1909...	$1,888 66

BELLEVILLE HOSPITAL, BELLEVILLE.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	18
Admitted	405
Births in Hospital	32
Total number under treatment	455
Discharged	411
Died	20
Under treatment 30th September, 1909	24
	455

Sex.

Male	239
Female	216
	455

Revenue.

From the Province of Ontario	$1,326 44
From the City of Belleville	1,340 80
From the County of Hastings.	.....
From other municipalities	.....
From patients for maintenance and treatment	6,441 24
Income from endowments, investments, etc.	330 00
From subscriptions, donations and bequests from private individuals	414 72
From other sources	.....
Total	$9,853 20

Expenditures.

Butchers' meat	$638 60
Butter and eggs	462 12
Flour, bread and meal	242 73

Railway and Marine Hospital Port Arthur.

BELLEVILLE HOSPITAL, BELLEVILLE—*Continued.*

Milk	323 80	Light; gas, oil and candles	519 53
Tea and coffee	59 45	Clothing for patients	18 18
Potatoes and other vegetables.	138 06	Ice supply	37 00
Groceries and provisions not enumerated	495 48	Salaries and wages	3,034 98
Drugs and medicine	296 65	Interest	65 00
Medical and surgical appliances	395 66	Contingencies	173 76
Beer, wine and spirits	18 00	Repairs, ordinary	392 47
Bedding, napery and general house furnishings	337 75	Stationery and printing	137 20
Brooms, brushes, mops, soap and cleaning appliances	142 77	Total	$8,865 59
Fuel	936 40	Government grant for 1909	$867 39

ST. VINCENT DE PAUL HOSPITAL, BROCKVILLE.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	38
Admitted	759
Births in Hospital	9
Total number under treatment	806
Discharged	727
Died	33
Under treatment 30th September, 1909	46
	806

Sex.

Male	349
Female	457
	806

Revenue.

From the Province of Ontario	$2,024 38
From the Town of Brockville	400 00
From the Counties of Leeds and Grenville	450 00
From other municipalities	25 00
From paying patients	9,057 15
From property belonging to the Hospital	.....
From subscriptions, bequests and donations from private individuals	1,101 20
From other sources not enumerated	3,438 58
Total	$16,496 31

Expenditures.

Butchers' meat and fish	$1,528 61
Butter and eggs	1,036 03
Flour, bread and meal	567 90
Milk	624 07
Tea and coffee	240 56
Potatoes and other vegetables.	600 29
Groceries and provisions not enumerated	995 40
Drugs and medicines	435 23
Medical and surgical appliances	616 25
Surgical instruments	.....
Beer, wine and spirits	20 00
Bedding, napery and general house furnishings	1,697 99
Brooms, brushes, mops, soap and cleaning appliances	224 36
Fuel	1,839 08
Light; gas, oil and candles	600 36
Water supply	28 00
Clothing for sisters, including boots and shoes	350 97
Ice supply	73 27
Salaries and wages	2,074 05
Taxes, insurance and interest.	235 63
Contingencies	1,148 61
Repairs, ordinary	1,288 91
Total	$16,225 65
Government grant for 1909	$1,976 20

THE BROCKVILLE GENERAL HOSPITAL.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	33
Number admitted	446
Births in Hospital	46
Total number under treatment	525

THE BROCKVILLE GENERAL HOSPITAL.—*Continued.*

Discharged	459
Died	27
Under treatment 30th September, 1909	39
	525

Sex.

Male	210
Female	315
	525

Revenue.

From the Province of Ontario	$856 55
From the Town of Brockville.	400 00
From the Counties of Leeds and Grenville	600 00
From other municipalities of the Province	45 00
From paying patients	9,597 85
From property belonging to the Hospital	1,555 06
From subscriptions, bequests and donations from private individuals	2,425 55
From other sources not enumerated	1,131 75
Total	$16,611 76

Expenditures.

Butchers' meat	$1,241 11
Butter and eggs	1,170 66
Flour, bread and meal	392 35
Milk	525 40
Tea and Coffee	246 27
Potatoes and other vegetables.	337 07
Groceries and provisions not enumerated	1,107 68
Drugs and medicines	422 88
Medical and surgical appliances	921 15
Beer, wine and spirits	.....
Bedding, napery and general house furnishings	216 46
Brooms, brushes, mops, soap and cleaning appliances	326 93
Fuel	1,916 26
Light; gas, oil and candles..	538 14
Water supply	28 00
Ice supply	79 94
Salaries and wages	4,734 75
Taxes and insurance	49 25
Contingencies	525 34
Repairs, ordinary	897 81
Ambulance	100 00
Total	$15,777 46
Government grant for 1909....	$1,372 92

GENERAL AND MARINE HOSPITAL, COLLINGWOOD.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	43
Admitted	297
Number of births in the Institution during the year	27
Total number under treatment	367
Discharged	300
Died	32
Under treatment 30th September, 1909	35
	367

Sex

Male	181
Female	186
	367

Revenue.

Received from the Province of Ontario	$1,043 04
From the Town of Collingwood	500 00
From the County of Simcoe ...	500 00
From paying patients	6,110 44
Subscriptions, donations, etc..	62 36
From sources not enumerated	.....
Total	$8,215 84

Expenditures.

Butchers' meat	$610 77
Butter and eggs	457 54
Flour, bread and meal	282 90
Milk	334 55
Tea and coffee	94 29
Potatoes and other vegatables.	83 86
Groceries and provisions not enumerated	562 62
Drugs and medicines	324 20
Surgical appliances	166 08
Beer, wine and spirits	32 45
Bedding, napery and general house furnishings	440 19
Brooms, brushes, mops, etc....	73 45
Fuel	1,110 75
Light: gas, oil and candles	161 33
Water supply	71 78
Ice	38 50
Salaries and wages	2,606 10
Contingencies	717 62
Repairs, ordinary	.....
Taxes and insurance	12 75
Total	$8,181 73
Government grant for 1909....	937 54

THE NICHOLLS' HOSPITAL, PETERBOROUGH.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	31
Admitted	498
Births in Hospital	25
Total number under treatment	554
Discharged	498
Died	33
Under treatment 30th September, 1909	23
	554

Sex.

Male	237
Female	317
	554

Revenue.

From the Province of Ontario	$1,582 79
From patients themselves for maintenance and treatment.	7,675 16
From property belonging to Hospital, endowments, etc...	10,533 50
From subscriptions, donations, and bequests from private individuals	.....
From other sources	50 00
Total	$19,841 45

Expenditures.

Butchers' meat	$1,054 82
Butter and eggs	815 51
Flour, bread and meal	564 17
Milk	271 00
Tea and coffee	163 30
Potatoes and other vegetables	699 12
Groceries and provisions not enumerated	962 11
Drugs and medicines	1,722 50
Surgical instruments and appliances	618 68
Beer, wine and spirits	158 15
Bedding, napery and general house furnishings	2,381 29
Brooms, brushes, mops, soap and cleaning appliances	20 56
Fuel	1,980 89
Light: gas, oil and candles	381 64
Water supply	203 00
Clothing for patients	.....
Ice	198 52
Salaries and wages	5,061 22
Taxes and insurance	69 75
Hay and straw	26 10
Contingencies	741 75
Repairs, ordinary	1,617 51
Total	$19,711 59
Government grant for 1909	$1,501 40

ST. JOSEPH'S HOSPITAL, PETERBOROUGH.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	17
Admitted	449
Births in Hospital	7
Total number under treatment	473
Discharged	434
Died	21
Under treatment 30th September, 1909	18
	473

Sex.

Male	199
Female	274
	473

Revenue.

From the Province	$859 84
From patients themselves for maintenance and treatment.	5,410 67
From subscriptions, donations and bequests from private individuals	1,331 00
From all other sources	70 00
Total	$7,671 51

Expenditures.

Butchers' meat	$668 82
Butter and eggs	343 28
Flour, bread and meal	196 60
Milk	269 50
Tea and coffee	118 50
Potatoes and other vegetables.	456 90
Groceries and provisions not enumerated	549 12

ST. JOSEPH'S HOSPITAL, PETERBOROUGH.—*Continued.*

Drugs and medicines	204 08	Clothing for sisters	.....
Medical and surgical appliances	358 89	Ice	34 90
Beer, wine and spirits	20 00	Salaries and wages	1,300 10
Bedding, napery and general house furnishings	456 05	Taxes and insurance	.....
Brooms, brushes, mops, soap and cleaning appliances	66 27	Contingencies	312 76
Fuel	985 93	Repairs, ordinary	892 10
Light; gas, oil and candles	338 30	Total	$7,689 90
Water supply	84 80		
Hay and straw	33 09	Government grant for 1909	$1,001 03

HOTEL DIEU HOSPITAL, WINDSOR.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	28
Admitted	451
Total number under treatment	479
Discharged	409
Died	36
Under treatment 30th September, 1909	34
	479

Sex.

Male	264
Female	215
	479

Revenue.

From the Province of Ontario.	$942 21
From the Town of Windsor	907 22
From the County of Essex	118 65
From patients themselves for maintenance and treatment.	5,460 86
Subscriptions, donations and bequests	317 02
From other sources not enumerated	841 77
Total	$8,587 73

Expenditures.

Butchers' meat	$1,313 10
Butter and eggs	623 84
Flour, bread and meal	428 65
Milk	631 08
Tea and coffee	189 50
Potatoes and other vegetables.	247 19
Groceries and provisions not enumerated	617 30
Drugs and medicines	390 64
Medical and Surgical appliances	136 02
Surgical instruments	60 00
Beer, wine and spirits	75 25
Bedding, napery and General house furnishings	509 55
Brooms, brushes, mops, soap and cleaning appliances	124 27
Fuel	861 28
Light: gas, oil and candles	442 88
Water supply	48 00
Hay and straw	61 69
Clothing for patients, including boots and shoes	46 30
Ice	100 00
Salaries and wages	1,913 72
Taxes and insurance	.....
Contingencies	180 05
Repairs, ordinary	201 85
Total	$9,202 16
Government grant for 1909	$1,046 92

ST. JOSEPH'S HOSPITAL, CHATHAM.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	40
Admitted	512
Births in Hospital	66
Total under treatment	618
Discharged	563
Died	24
Under treatment 30th September 1909	31
	618

ST. JOSEPH'S HOSPITAL, CHATHAM.—*Continued.*

Sex.

Male	225
Female	393
	618

Revenue.

From the Province of Ontario	$1,315 29
From the Town of Chatham	135 03
From the County of Kent	100 29
From patients for maintenance and treatment	5,375 59
From subscriptions, donations and bequests from private individuals	425 25
From other sources	810 00
Total	$8,162 15

Expenditures.

Butchers' meat	$594 21
Butter and eggs	468 70
Flour, bread and meal	403 44
Milk	550 43
Tea and coffee	125 00
Potatoes and other vegetables.	150 00
Groceries and provisions not enumerated	850 21
Drugs and medicines	201 75
Medical and surgical appliances	371 32
Beer, wine and spirits	25 00
Bedding, napery and general house furnishings	211 15
Brooms, brushes, mops, soap and cleaning appliances	136 10
Fuel	582 00
Light: gas, oil and candles	492 30
Ice supply	75 00
Salaries and wages	1,526 75
Taxes, insurance and interest.	412 65
Contingencies	73 64
Repairs, ordinary	907 82
Total	$8,157 47
Government grant for 1909	$1,456 00

GENERAL HOSPITAL, CHATHAM.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	38
Admitted	490
Births in Hospital	51
	579
Discharged	507
Died	35
Under treatment 30th September, 1909	37
	579

Sex.

Male	243
Female	326
	579

Revenue.

From the Province of Ontario.	$705 07
From the Town of Chatham..	296 10
From the County of Kent....	49 85
From other municipalities....	.....
From patients themselves for maintenance and treatment.	8,700 15
From subscriptions, donations and bequests from private individuals	.....
From all other sources	721 50
Total	$10.472 67

Expenditures.

Butchers' meat	$567 26
Butter and eggs	623 60
Flour, bread and meal	288 10
Milk	537 08
Tea and coffee	160 25
Potatoes and other vegetables.	380 24
Groceries and provisions not enumerated	1,127 40
Drugs and medicines	266 09
Medical and surgical appliances	110 10
Beer, wine and spirits	35 20
Bedding, napery and general house furnishings	453 05
Brooms, brushes, mops, soap and cleaning appliances	35 60
Fuel	1,110 19
Light: gas, oil and candles	403 09
Ice	19 45
Salaries and wages	3,613 65
Insurance and telephone	39 30
Contingencies	349 49
Repairs, ordinary	330 13
Total	$10,449 27
Government grant for 1909	$1,020 88

GENERAL HOSPITAL, STRATFORD.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	29
Admitted	379
Number of births during the year	23
Total number under treatment	431
Discharged	378
Died	30
Under treatment 30th September, 1909	23
	431

Sex.

Male	199
Female	232
	431

Revenue.

Received from the Province of Ontario	$579 02
From the City of Stratford	1,000 00
From the County of Perth	750 00
From other municipalities of the Province	50 00
From paying patients	7,598 87
Income from endowments, investments, etc.	156 18
Subscriptions, donations, etc.	673 56
From other sources	113 81
Total	$10,921 44

Expenditures.

Butchers' meat	$612 32
Butter and eggs	559 27
Flour, bread and meal	268 08
Milk	311 55
Tea and coffee	135 80
Potatoes and other vegetables	141 15
Groceries and provisions not enumerated	692 07
Drugs and medicines	427 00
Medical and surgical appliances	813 60
Beer, wine and spirits	44 45
Bedding, napery and general house furnishings	235 42
Brooms, brushes, mops, etc.	95 43
Fuel	1,149 64
Light: gas, oil and candles	579 26
Water supply	60 94
Hay and straw	125 64
Ice	54 94
Salaries and wages	3,209 91
Taxes and insurance	43 00
Contingencies	426 37
Repairs, ordinary	650 48
Total	$10,636 32
Government grant for 1909	487 88

AMASA WOOD HOSPITAL, ST. THOMAS.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	27
Admitted	377
Births in the Hospital	50
Total number under treatment	454
Discharged	398
Died	26
Under treatment 30th September, 1909	30
	454

Sex.

Male	252
Female	202
	454

Revenue.

From the Province of Ontario.	$497 30
From the City of St. Thomas	6,000 00
From paying patents themselves	5,250 60
Other sources	710 19
Income from endowments, investments, etc.	134 13
Total	$12,592 22

Expenditures.

Butchers' meat	$358 44
Butter and eggs	453 94
Flour, bread and meal	185 47
Milk	586 00
Tea and coffee	110 71
Potatoes and other vegetables	47 38

Ross Memorial Hospital, Lindsay.

AMASA WOOD HOSPITAL, ST. THOMAS.—*Continued.*

Groceries and other provisions not enumerated	1,163 51
Drugs and medicines	842 98
Medical and surgical appliances	.....
Surgical instruments	.....
Beer, wine and spirits	90 45
Bedding, etc.	977 18
Brooms, brushes, mops, soap and cleaning appliances	916 47
Fuel	968 99
Light: gas, oil and candles	321 45
Water supply	58 43
Ice	48 37
Salaries and wages	2,935 43
Taxes and insurance	124 21
Contingencies	396 80
Repairs, ordinary	1,896 06
Total	$12,482 27
Government grant for 1909	$604 48

GENERAL AND MARINE HOSPITAL, OWEN SOUND.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	15
Admitted	301
Births in Hospital	17
Total number under treatment	333
Discharged	274
Died	23
Under treatment 30th September, 1909	36
	333

Sex.

Male	195
Female	138
	333

Revenue.

From the Province of Ontario	$666 74
From the Town of Owen Sound	1,000 00
From the County of Grey	1,000 00
From other municipalities	175 00
From patients themselves for maintenance and treatment	4,079 37
From endowments, investments, etc.	24 00
From subscriptions, bequests and donations of private persons	215 82
From all other sources not enumerated	136 91
Total	$7,297 84

Expenditures.

Butchers' meat	$502 28
Butter and eggs	89 19
Flour, bread and meal	503 46
Milk	94 70
Tea and coffee	60 00
Potatoes and other vegetables	25 10
Groceries and provisions not enumerated	622 16
Drugs and medicines	300 17
Medical and surgical appliances	89 09
Surgical instruments	.....
Beer, wine and spirits	.....
Bedding, napery and general house furnishings	331 92
Brooms, brushes, mops, soap and cleaning appliances	107 09
Fuel	984 77
Light: gas, oil and candles	213 69
Water supply	9 50
Hay and straw	49 27
Ice	75 69
Salaries and wages	2,309 77
Insurance and interest	58 30
Contingencies	215 32
Repairs, ordinary	329 23
Total	$6,970 70
Government grant for 1909	$628 18

ST. JOSEPH'S HOSPITAL, SUDBURY.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	20
Number admitted	535
Births in Hospital	13
Total number under treatment	568

ST. JOSEPH'S HOSPITAL, SUDBURY.—*Continued.*

Discharged	492
Died	24
Remaining under treatment on the 30th September, 1909	52
	568

Sex.

Male	408
Female	160
	568

Revenue.

From the Province of Ontario.	$1,042 09
From the Town of Sudbury	
From paying patients themselves	6,462 55
Subscriptions, donations and bequests	1,491 00
Other sources	3,014 15
Total	$12,009 79

Expenditures.

Butchers' meat	$808 23
Butter and eggs	654 98
Flour, bread and meal	324 95
Milk	438 00
Tea and coffee	137 23
Potatoes and other vegetables	276 98
Groceries and provisions not enumerated	503 98
Drugs and medicines	518 65
Medical and surgical appliances	121 83
Surgical instruments	
Beer, wine and spirits	112 26
Bedding, napery and general house furnishings	265 40
Brooms, brushes, mops, soap and cleaning appliances	81 35
Fuel	1,908 49
Light: gas, oil and candles	262 69
Water	34 00
Hay and straw	247 38
Clothing for patients	435 21
Ice	60 00
Salaries and wages	2,652 00
Taxes and insurance	
Contingencies	278 30
Repairs, ordinary	89 20
Total	$10,211 11

Government grant for 1909 ... $1,122 50

THE WOODSTOCK HOSPITAL.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	29
Admitted	273
Births	20
Total number under treatment	322
Discharged	278
Died	28
Under treatment 30th September, 1909	16
	322

Sex.

Male	142
Female	180
	322

Revenue.

From the Province of Ontario	$645 46
From the Town of Woodstock	1,000 00
From the County of Oxford	1,000 00
Income from endowments and investments	1,261 69
From paying patients themselves	5,214 50
Subscriptions, donations and bequests	171 50
Received from other sources	
Total	$9,293 15

Expenditures.

Butchers' meat	$549 02
Butter	617 38
Flour, bread and meal	190 26
Milk	278 11
Tea and coffee	120 00
Potatoes and other vegetables	1 80
Groceries and other provisions not enumerated	1,065 55
Drugs and medicines	278 21
Medical and surgical appliances	296 42
Beer, wine and spirits	28 65
Bedding, etc.	93 68
Brooms, brushes, mops, soap and cleaning appliances	155 65
Fuel	732 38
Light: gas, oil and candles	444 02
Water supply	
Ice	31 71
Salaries and wages	2 521 51
Insurance and taxes	68 42
Contingencies	255 22
Repairs, ordinary	273 95
Total	$8,092 04

Government grant for 1909 .... $570 49

BERLIN AND WATERLOO HOSPITAL, BERLIN.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	13
Admitted	255
Births in Hospital	18
Total number under treatment	286
Discharged	236
Died	23
Under treatment 30th September, 1909	27
	286

Sex.

Male	133
Female	153
	286

Revenue.

From the Province of Ontario	$660 95
From the Town of Berlin	1,250 00
From the County of Waterloo.	1,250 00
From the Town of Waterloo.	400 00
From patients for maintenance and treatment	4,522 32
From subscriptions, donations and bequests from private individuals	171 92
From other sources	12 41
Total	$8,267 80

Expenditures.

Butchers' meat	$431 62
Butter and eggs	241 56
Flour, bread and meal	148 43
Milk	426 54
Tea and coffee	17 80
Potatoes and other vegetables	44 06
Groceries and provisions not enumerated	537 75
Drugs and medicines	242 36
Medical and surgical appliances	802 75
Beer, wine and spirits	74 75
Bedding, napery and general house furnishings	
Brooms, brushes, mops, soap and cleaning appliances	403 48
Fuel	740 38
Light: gas, oil and candles	358 96
Water	
Ice supply	60 00
Salaries and wages	2,613 76
Insurance	202 16
Contingencies	659 05
Repairs, ordinary	322 10
Total	$8,327 51
Government grant for 1909	$533 08

GENERAL HOSPITAL, SARNIA.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	28
Admitted	411
Births in Hospital	37
Total number under treatment	476
Discharged	416
Died	26
Under treatment 30th September, 1909	34
	476

Sex.

Male	233
Female	243
	476

Revenue.

From the Province of Ontario	$528 00
From the Town of Sarnia	1,000 00
From the County of Lambton	800 00
From patients themselves for maintenance and treatment.	8,036 61
From property belonging to the Hospital	180 00
From subscriptions, donations, and bequests from private individuals	65 00
From all other sources	515 60
Total	$11,126 14

Expenditures.

Butchers' meat	$633 41
Butter and eggs	465 19
Flour, bread and meal	167 53
Milk	402 96
Tea and coffee	
Potatoes and other vegetables	228 78
Groceries and provisions not enumerated	773 18
Drugs and medicines	230 84
Surgical instruments and appliances	795 97
Beer, wine and spirits	88 25

GENERAL HOSPITAL, SARNIA.—*Continued.*

Bedding, napery and general house furnishings	465 51
Brooms, brushes, mops, soap and cleaning appliances	.....
Fuel	473 59
Light: gas, oil, candles	520 49
Laundry, etc.	950 74
Ice	115 07
Salaries and wages	2,215 81
Insurance and interest	.....
Contingencies	480 23
Repairs, ordinary	597 89
Stationery and printing	108 67
Total	$9,714 01
Government grant for 1909	$610 69

ROYAL VICTORIA HOSPITAL, BARRIE.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	26
Admitted	267
Births in Hospital	25
Total number under treatment	318
Discharged	266
Died	17
Under treatment 30th September, 1909	35
	318

Sex.

Male	146
Female	172
	318

Revenue.

From the Province of Ontario.	$928 08
From the Town of Barrie	300 00
From the County of Simcoe	500 00
From other Municipalities	25 00
From patients for maintenance and treatment	6,275 98
From endowments, investments etc	.....
From subscriptions, donations, and bequests from private individuals	1,021 83
From other sources	6 00
Total	$9,056 89

Expenditures.

Butchers' meat	$509 78
Butter and eggs	381 32
Flour, bread and meal	208 94
Milk	409 82
Tea and coffee	93 26
Potatoes and other vegetables	247 14
Groceries and provisions not enumerated	1,183 67
Drugs and medicines	359 15
Medical and surgical appliances	194 50
Beer, wine and spirits	12 60
Bedding, napery and general house furnishings	178 53
Brooms, brushes, mops, soap and cleaning appliances	35 93
Fuel	594 54
Light: gas, oil and candles	374 21
Water	20 00
Ice supply	8 00
Salaries and wages	2,140 50
Taxes and insurance	.....
Contingencies	94 63
Repairs, ordinary	230 87
Total	$7,277 39
Government grant for 1909	$779 91

HOTEL DIEU HOSPITAL, CORNWALL.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	29
Admitted	556
Total number under treatment	585
Discharged	513
Died	29
Under treatment 30th September, 1909	43
	585

HOTEL DIEU HOSPITAL, CORNWALL.—*Continued.*

Sex.

Male	295
Female	290
	585

Revenue.

From the Province of Ontario	$2,028 18
From the Town of Cornwall	.....
From the Counties of Stormont, Dundas and Glengarry	450 00
From other municipalities in the Province	165 00
From paying patients themselves	2,072 30
From subscriptions, donations, etc.	2,150 00
From other sources	1,490 87
Total	$6,328 17

Expenditures.

Butchers' meat and fish	$965 95
Butter and eggs	720 39
Flour, bread and meal	500 00
Milk	400 00
Tea and coffee	290 00
Potatoes and other vegetables	475 00
Groceries and provisions, not enumerated	635 75
Drugs and medicines	240 43
Medical and surgical appliances	220 10
Surgical instruments	.....
Beer, wine and spirits	125 15
Bedding, napery and general house furnishings	225 00
Brooms, brushes, mops, soap and cleaning appliances	200 13
Fuel	1,350 00
Light: gas, oil and candles	250 75
Clothing for patients, including boots and shoes	60 00
Ice	69 10
Salaries and wages	460 00
Taxes and insurance	232 00
Contingencies	315 65
Repairs, ordinary	426 75
Hay and straw	30 00
Total	$8,183 15

Government grant for 1909 ... $2,009 26

GENERAL HOSPITAL, CORNWALL.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	31
Admitted	477
Births in the Hospital	20
Total number under treatment	528
Discharged	473
Died	18
Under treatment 30th September, 1909	37
	528

Sex.

Male	265
Female	263
	528

Revenue.

From the Province of Ontario	$1,062 17
From the Town of Cornwall	.....
From the counties of Stormont, Dundas and Glengarry	450 00
From other municipalities in the Province	190 00
From paying patients themselves	4,257 88
From subscriptions, donations, etc.	3,790 77
From other sources	842 43
Total	$10,593 25

Expenditures.

Butchers' meat and fish	$545 43
Butter and eggs	671 12
Flour, bread and meal	409 05
Milk	385 86
Tea and coffee	200 72
Potatoes and other vegetables	153 53
Groceries and provisions not enumerated	863 63
Drugs and medicines	796 76
Medical and surgical appliances	769 26
Surgical instruments	44 18
Beer, wine and spirits	34 23
Bedding, napery and general house furnishings	367 20
Brooms, brushes, mops, soap and cleaning appliances	92 63
Fuel	952 93
Light: gas, oil and candles	408 85
Salaries and wages	1,969 30
Laundry	715 48
Contingencies	275 15
Repairs, ordinary	102 63
Printing, stationery, postage, telephone, etc.	270 33
Ice	15 00
Insurance and interest	351 77
Total	$10,395 04

Government grant for 1909 ... $1,187 50

NATIONAL SANATORIUM FOR CONSUMPTIVES, GRAVENHURST.

(Muskoka Cottages.)

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	48
Admitted	179
Total number under treatment	227
Discharged	167
Died	11
Under treatment 30th September, 1909	49
	227

Sex.

Male	132
Female	95
	227

Revenue.

From the Province of Ontario	.....
Income from endowments, investments, etc.	.....
From paying patients themselves	$35,104 30
From subscriptions, bequests and donations of private individuals	.....
From other sources	1,876 72
Total	$36,981 02

Expenditures.

Butchers' meat	$5,506 91
Butter and eggs	2,923 54
Flour, bread and meal	684 29
Milk	2,398 60
Tea and coffee	350 63
Potatoes and other vegetables.	868 36
Groceries and provisions not enumerated	3,215 48
Drugs and medicines	418 90
Medical and surgical appliances	67 66
Bedding, napery and general house furnishings	1,121 09
Brooms, brushes, mops, soap and cleaning appliances	235 98
Fuel	5,417 65
Light: oil, candles and electric light	598 85
Laundry	1,600 13
Horse feed	634 97
Ice	63 54
Salaries and wages	11,606 77
Interest and bank collections.	582 87
Freight and express	258 84
Advertising, printing, postage, etc.	708 36
Contingencies	1,008 06
Repairs, ordinary	682 32
Taxes and insurance	846 65
Total	$42,400 45

MUSKOKA FREE HOSPITAL FOR CONSUMPTIVES.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients

Number under treatment 1st October, 1908	50
Admitted	284
Total number under treatment	334
Discharged	217
Died	6
Under treatment 30th September, 1909	111
	334

Sex.

Male	192
Female	142
	334

Revenue.

From the Province of Ontario.	$7,227 00
From the City of Toronto in payment of patients' maintenance	5,358 50
From the City of Ottawa in payment of patients' maintenance	1,484 88
From other municipalities of the Province	.....
From paying patients themselves	4,335 37
Income from endowments or other property belonging to Hospital	.....
Subscriptions, donations and bequests of private individuals	17,060 99
From all other sources not above enumerated	201 47
Total	$28,441 21

MUSKOKA FREE HOSPITAL FOR CONSUMPTIVES.—*Continued.*

Expenditures.

Butchers' meat	$4,496 61
Butter and eggs	2,295 34
Flour, bread and meal	839 84
Milk	2,132 07
Tea and coffee	262 31
Potatoes and other vegetables.	714 06
Groceries and provisions not enumerated	2,740 52
Drugs and medicines	635 97
Medical and surgical appliances	283 58
Bedding, napery and general house furnishing	1,005 79
Brooms, brushes, mops, soap and cleansing appliances	511 37
Fuel	2,978 92
Light: gas, oil and candles	383 71
Ice supply	63 47
Salaries and wages	10,516 90
Taxes and insurance	630 05
Laundry	1,505 03
Contingencies	937 18
Repairs, ordinary	281 15
Interest and bank collection	472 57
Printing, postage and advertising	528 98
Freight, express and livery	1,197 52
Total	$35,412 94
Government grant for 1909	$9,182 58

GENERAL HOSPITAL, KENORA.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	57
Admitted	378
Number of births in hospital	9
Total number under treatment	445
Discharged	383
Died	46
Under treatment 30th September, 1909	16
	445

Sex.

Male	373
Female	72
	445

Revenue.

From the Province of Ontario	$594 40
From the Town of Kenora	.....
From other municipalities	.....
From paying patients	2,549 64
Subscriptions, donations, etc.	28 00
Care of lumber and railway camp cases	11,622 60
Total	$14,794 64

Expenditures.

Butchers' meat and fish	$1,006 77
Butter and eggs	520 48
Flour, bread and meal	654 84
Milk	822 88
Tea and coffee	102 40
Potatoes and other vegetables.	313 27
Groceries and provisions not enumerated	255 13
Drugs and medicines and surgical appliances	25 00
Beer, wine and spirits	.....
Bedding, napery and general house furnishings	484 80
Brooms, brushes, mops, soap and cleaning appliances	50 00
Fuel	1,353 15
Light: gas, oil and candles	.....
Water supply	.....
Ice	55 00
Salaries and wages	7,238 05
Contingencies	416 10
Repairs, ordinary	728 01
Expenses *re* camps	564 00
Printing, stationery and postage	59 35
Total	$12,348 12
Government aid for 1909	1,585 74

ST. JOSEPH'S HOSPITAL, KENORA.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	89
Admitted	469
Births in Hospital	7
Total number under treatment	565

ST. JOSEPH'S HOSPITAL, KENORA.—*Continued.*

Discharged	499
Died	41
Under treatment 30th September, 1909	25
	565

Sex.

Male	476
Female	89
	565

Revenue.

From the Province of Ontario	$2,270 48
From Dominion Government for treatment of Indians	20 00
From the Town of Kenora	.....
From patients themselves for maintenance and treatment.	8,528 79
From subscriptions, donations and bequests of private individuals	1,028 25
From other sources	445 86
Total	$12,293 38

Expenditures.

Butchers' meat	$967 32
Butter and eggs	794 18
Flour, bread and meal	395 59
Milk	810 35
Tea and coffee	80 20
Potatoes and other vegetables.	254 05
Groceries and provisions not enumerated	591 25
Drugs and medicines	278 55
Surgical instruments	23 15
Medical and surgical appliances	76 97
Beer, wine and spirits and mineral water	38 43
Bedding, napery and general house furnishings	597 45
Brooms, brushes, mops, soap and cleaning appliances	150 23
Fuel	856 75
Light: gas, oil and candles	50 80
Clothing for patients	313 61
Ice	55 00
Salaries and wages	2,567 00
Insurance and interest	1,462 71
Contingencies	542 36
Repairs, ordinary	546 01
Feed for cows	515 15
Total	$11,967 11
Government grant for 1909	$2,653 71

GENERAL HOSPITAL, SAULT STE. MARIE.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	57
Admitted	684
Births in the Hospital	14
Total number under treatment	755
Discharged	691
Died	28
Under treatment 30th September, 1909	36
	755

Sex.

Male	535
Female	220
	755

Revenue.

From the Province of Ontario	$2,501 18
From the City of Sault Ste. Marie	500 00
From other municipalities	225 00
From patients themselves for maintenance and treatment.	9,416 26
Income from endowments	.....
Subscriptions, donations and bequests of private individuals	1,888 65
From other sources not enumerated	.....
Total	$14,531 09

Expenditures.

Butchers' meat	$1,317 14
Butter and eggs	940 35
Flour, bread and meal	450 50
Milk	808 84
Tea and coffee	240 25
Potatoes and other vegetables.	195 50
Groceries and provisions not enumerated	633 45
Drugs and medicines	652 69
Medical and surgical appliances	271 42
Surgical instruments	.....
Beer, wine and spirits	57 51
Bedding, napery and general house furnishings	658 32

General Marine Hospital, Collingwood.

GENERAL HOSPITAL, SAULT STE. MARIE.—*Continued.*

Brooms, brushes, mops, soap and cleaning appliances	205 25
Fuel	2,043 77
Light: gas, oil and candles	184 07
Water supply	.....
Clothing for patients, including boots and shoes	310 00
Ice	85 00
Salaries and wages	1,558 62
Contingencies	250 03
Repairs, ordinary	962 00
Taxes and insurance	189 67
Total	$12,014 38
Government grant for 1909	$2,482 37

VICTORIA GENERAL HOSPITAL, RENFREW.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	10
Admitted	144
Births in Hospital	5
Total number under treatment	159
Discharged	133
Died	5
Under treatment 30th September, 1909	21
	159

Sex.

Male	97
Female	62
	159

Revenue.

From the Province of Ontario	$622 81
From the Town of Renfrew	350 00
From the County of Renfrew	300 00
From other municipalities	100 00
From patients for maintenance and treatment	2,366 17
From subscriptions, donations and bequests from private individuals	150 00
From all other sources	.....
Total	$3,888 98

Expenditures

Butchers' meat	$244 31
Butter and eggs	153 34
Flour, bread and meal	103 14
Milk	253 73
Tea and coffee	13 95
Potatoes and other vegetables	63 15
Groceries and provisions not enumerated	440 11
Drugs and medicines	118 46
Medical and surgical appliances	220 03
Beer, wine and spirits	35
Bedding, napery, and general house furnishings	349 86
Brooms, brushes, mops, soap and cleaning appliances	31 07
Fuel	233 40
Light: gas, oil and candles	113 29
Water supply	18 39
Ice supply	33 50
Salaries and wages	1,471 02
Taxes and insurance	.....
Contingencies	75 42
Repairs, ordinary	97 79
Clothing for patients	4 80
Laundry	227 72
Total	$4,265 83
Government grant for 1909	$542 85

VICTORIAN HOSPITAL, THESSALON.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	3
Admitted	128
Births in Hospital	3
Total number under treatment	134
Discharged	108
Died	12
Under treatment 30th September, 1908	14
	134

Sex.

Male	95
Female	39
	134

VICTORIAN HOSPITAL, THESSALON.—*Continued.*

Revenue.

From the Province	$399 21
From the Town of Thessalon.	100 00
From patients themselves for maintenance and treatment.	1,290 62
From subscriptions, donations and bequests from private individuals	60 00
From other sources	1,029 62
Total	$2,879 45

Expenditures.

Butchers' meat	$122 76
Butter and eggs	152 28
Flour, bread and meal	71 80
Milk	204 00
Tea and coffee	57 10
Potatoes and other vegetables.	27 94
Groceries and provisions not enumerated	160 66
Drugs and medicines	182 58
Surgical instruments and appliances	.....
Beer, wine and spirits	22 00
Bedding, napery and general house furnishings	186 37
Brooms, brushes, mops, soap and cleaning appliances	23 00
Fuel	150 00
Light: gas, oil and candles	70 00
Water supply	25 00
Ice	20 00
Salaries and wages	1,680 20
Taxes and insurance	31 25
Contingencies	23 00
Repairs, ordinary	42 50
Total	$3,252 44
Government grant for 1909	$273 16

THE ROSS MEMORIAL HOSPITAL, LINDSAY.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	14
Admitted	227
Births in Hospital	2
Total number under treatment	243
Discharged	207
Died	24
Under treatment 30th September, 1909	12
	243

Sex.

Male	119
Female	124
	243

Revenue.

From the Province of Ontario.	$993 30
From the Town of Lindsay	485 30
From the County of Victoria	889 70
From other municipalities	.....
From patients themselves for maintenance and treatment.	3,013 49
Income from endowments	821 08
Subscriptions, donations and bequests of private individuals	156 67
From other sources not enumerated	944 72
Total	$7,304 26

Expenditures.

Butchers' meat	$465 74
Butter and eggs	463 70
Flour bread and meal	134 89
Milk	243 60
Tea and coffee	60 13
Potatoes and other vegetables.	78 16
Groceries and provisions not enumerated	446 06
Drugs and medicine	311 68
Medical and surgical appliances	212 70
Surgical instruments	3 27
Beer, wine and spirits	31 50
Bedding, napery and general house furnishings	226 37
Brooms, brushes, mops, soap and cleaning appliances	135 37
Fuel	624 32
Light: gas, oil and candles	138 19
Water supply	85 00
Clothing for patients, including boots and shoes	51 96
Ice	60 00
Salaries and wages	2,833 43
Contingencies	468 68
Repairs, ordinary	117 08
Taxes and insurance	34 30
Stationery, postage, etc.	59 74
Total	$7,286 17
Government grant for 1909	$815 98

JOHN McKELLAR GENERAL MEMORIAL HOSPITAL, FORT WILLIAM.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	62
Admitted	831
Number of births in Hospital	7
Total number under treatment	900
Discharged	777
Died	58
Under treatment 30th September, 1909	65
	900

Sex.

Male	719
Female	181
	900

Revenue.

From the Province of Ontario	$2,487 30
From the Town of Fort William	3,000 00
From other municipalities	50 00
From paying patients	8,854 57
Subscriptions, donations, etc.	.....
Other sources	1,306 97
From endowments, investments, etc.	.....
Total	$15,698 81

Expenditures.

Butchers' meat	$854 77
Flour, bread and meal	385 00
Milk	1,052 58
Butter and eggs, Tea and coffee, Potatoes and other vegetables, Groceries and provisions not enumerated	2,327 28
Drugs and medicines	333 16
Medical and surgical appliances	812 81
Beer, wine and spirits	.....
Bedding, napery and general house furnishings	.....
Brooms, brushes, mops, soap and cleaning appliances	.....
Fuel	1,354 43
Light: gas, oil and candles	27 61
Printing and stationery	.....
Salaries and wages	7,266 92
Contingencies	969 62
Repairs, ordinary	129 18
Taxes, insurance, interest	200 05
Laundry	1,202 36
Total	$16,915 77
Government grant for 1909	$2,780 47

GENERAL HOSPITAL, WALKERTON.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	11
Number admitted	115
Number of births	9
Total number under treatment	135
Discharged	112
Died	12
Under treatment 30th September, 1909	11
	135

Sex.

Male	70
Female	65
	135

Revenue.

From the Province of Ontario.	$575 43
From the Town of Walkerton.	.....
From the County of Bruce	1,500 00
From other municipalities of the Province	165 00
From paying patients	2,811 07
From subscriptions, bequests and donations of private individuals	354 87
From other sources, not enumerated	39 45
Total	$5,445 82

Expenditures.

Butchers' meat	$434 17
Butter and eggs	358 49
Flour, bread and meal	192 19
Milk	187 46

GENERAL HOSPITAL, WALKERTON.—*Continued.*

Tea and coffee	73 75
Potatoes and other vegetables.	106 62
Groceries and provisions not enumerated	172 25
Drugs and medicines	320 48
Medical and surgical appliances	28 60
Beer, wine and spirits	22 25
Bedding, napery and general house furnishings	131 42
Brooms, brushes, mops, soap and cleaning appliances	98 71
Fuel	708 37
Light: gas, oil and candles	221 44
Water supply	.....
Ice supply	20 00
Salaries and wages	1,959 10
Insurance	45 00
Contingencies	152 27
Repairs, ordinary	166 79
Total	$5,400 11
Government grant for 1909	$659 93

QUEEN VICTORIA MEMORIAL HOSPITAL, NORTH BAY.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	28
Admitted	316
Births in Hospital	12
Total number under treatment	356
Discharged	308
Died	20
Under treatment 30th September, 1909	28
	356

Sex.

Male	252
Female	104
	356

Revenue.

From the Province of Ontario	$1,042 69
From the Town af North Bay	750 00
From Victorian Order	600 00
From the C. P. Ry. as a grant.	200 00
From the T. & N. O. Ry. as a grant	.....
From patients themselves for maintenance and treatment.	4,221 85
Subscriptions, donations, etc..	.....
From other sources (Ladies' Aid)	47 33
Total	$7,500 02

Expenditures.

Butchers' meat	$209 70
Butter and eggs	259 15
Flour, bread and meal	128 40
Milk	647 12
Tea and coffee	41 36
Potatoes and other vegetables.	62 90
Groceries and provisions not enumerated	415 84
Drugs and medicines	255 64
Surgical instruments and appliances	.....
Bedding, napery and general house furnishings	11 75
Brooms, brushes, mops, soap and cleaning appliances	17 75
Fuel	214 90
Light: gas, oil and candles	177 32
Water supply	37 50
Ice	52 65
Salaries and wages	1,993 10
Interest	60 00
Contingencies	242 52
Repairs, ordinary	202 47
Total	$5,030 67
Government grant for 1909	$1,241 23

GENERAL HOSPITAL, MIDLAND.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	9
Admitted	124
Births in Hospital	4
Total number under treatment	137

St. John's Hospital, Port Arthur.

GENERAL HOSPITAL, MIDLAND.—*Continued.*

Discharged	117
Died	7
Under treatment 30th September, 1909	13
	137

Sex.

Male	74
Female	63
	137

Revenue.

From the Province	$386 78
From the Town of Midland	500 00
From the County of Simcoe	500 00
From other municipalities	75 00
From patients themselves for maintenance and treatment	1,983 42
From subscriptions, donations and bequests from private individuals	944 91
From other sources	500 00
Total	$4,890 11

Expenditures.

Butchers' meat	$206 80
Butter and eggs	210 50
Flour, bread and meal	100 20
Milk	115 53
Tea and coffee	49 29
Potatoes and other vegetables	128 83
Groceries and provisions not enumerated	211 89
Drugs and medicines	249 82
Surgical instruments and appliances	334 26
Beer, wine and spirits	17 00
Bedding, napery and general house furnishings	42 96
Brooms, brushes, mops, soap and cleaning appliances	54 80
Fuel	343 40
Light: gas, oil and candles	75 01
Water supply	26 10
Ice	20 00
Salaries and wages	1,588 50
Telephone	56 09
Contingencies	75 56
Repairs, ordinary	38 03
Laundry	338 50
Total	$4,282 98
Government grant for 1909	$430 90

ST. FRANCIS' HOSPITAL, SMITH'S FALLS.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	7
Admitted	243
Births in Hospital	2
Total number under treatment	252
Discharged	227
Died	11
Under treatment 30th September, 1909	14
	252

Sex.

Male	141
Female	111
	252

Revenue.

From the Province of Ontario.	$889 76
From the Town of Smith's Falls for patients' maintenance	150 00
From the County of Lanark	100 00
From other municipalities	100 00
From paying patients themselves	1,663 74
From subscriptions, bequests and donations of private individuals	370 12
From other sources	356 10
Total	$3,629 72

Expenditures.

Butchers' meat	$481 29
Butter and eggs	209 52
Flour, bread and meal	150 98
Milk	129 49
Tea and coffee	80 21
Potatoes and other vegetables.	34 03
Groceries and provisions not enumerated	470 69
Drugs, medicines and surgical appliances	314 45
Surgical instruments	.....
Beer, wine and spirits	11 00
Bedding, napery and general house furnishings	288 28

ST. FRANCIS' HOSPITAL, SMITH'S FALLS.—*Continued.*

Brooms, brushes, mops, soap and cleaning appliances	24 21
Fuel	414 00
Light: gas, oil and candles	105 75
Water	31 25
Ice	30 00
Salaries and wages	178 80
Taxes and insurance	23 97
Telephone	44 65
Repairs, ordinary	24 63
Clothing for Sisters	48 28
Stationery, postage, etc.	38 46
Total	$3,133 94
Government aid for 1909	$714 35

FREE HOSPITAL FOR CONSUMPTIVES, WESTON.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	62
Admitted	178
Total number under treatment	240
Discharged	85
Died	65
Under treatment 30th September, 1909	90
	240

Sex.

Male	121
Female	119
	240

Revenue.

From the Province	$7,797 00
From the City of Toronto	15,516 90
From other municipalities	
From patients themselves for maintenance and treatment.	1,781 82
From subscriptions, donations and bequests from private inviduals	4,714 66
From other sources	37 00
Total	$29,847 38

Expenditures.

Butchers' meat	$4,046 94
Butter and eggs	1,667 51
Flour, bread and meal	678 53
Milk	2,032 30
Tea and coffee	179 80
Potatoes and other vegetables	852 38
Groceries and provisions not enumerated	1,928 09
Drugs and medicines	762 95
Medical and surgical appliances	33 09
Bank interest	642 10
Bedding, napery and general house furnishings	1,432 30
Brooms, brushes, mops, soap and cleaning appliances	225 60
Fuel	2,522 05
Electric light, gas, oil and candles	460 16
Laundry	1,042 20
Advertising, stationery and postage	250 56
Ice	174 05
Salaries and wages	8,402 22
Taxes and insurance	333 23
Water supply	203 07
Contingencies	992 90
Repairs, ordinary	288 52
Total	$29,150 55
Government grant for 1909	$11,666 58

MOUNTAIN SANATORIUM, HAMILTON.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	32
Admitted	111
Total number under treatment	143
Discharged	96
Died	5
Under treatment 30th September, 1909	42
	143

Sex.

Male	67
Female	76
	143

MOUNTAIN SANATORIUM, HAMILTON.—*Continued.*

Revenue.

From the Province of Ontario.	$3,930 00
From the City of Hamilton for patients' maintenance	3,507 60
From paying patients themselves	3,059 87
From subscriptions, bequests and donations of private individuals	1,559 80
From other sources	1,249 40
Total	$13,306 67

Expenditures.

Butchers' meat	$1,428 08
Butter and eggs	977 02
Flour, bread and meal	305 36
Milk	951 65
Tea and coffee	.....
Potatoes and other vegetables.	60 75
Groceries and provisions not enumerated	1,088 84
Drugs and medicines	444 67
Medical and surgical appliances	147 92
Bedding, napery and general house furnishings	2,645 20
Brooms, brushes, mops, soap and cleaning appliances	601 09
Fuel	591 03
Light: gas, oil and candles	356 26
Water	.....
Ice	37 50
Salaries and wages	3,956 99
Taxes and insurance	81 80
Laundry	.....
Total	$13,674 16
Government grant for 1909	$4,974 85

VICTORIAN HOSPITAL, ALMONTE.

The following summaries show the operations of this Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	8
Admitted	112
Births in Hospital	24
Total number under treatment	144
Discharged	132
Died	7
Under treatment, 30th September, 1909	5
	144

Sex.

Male	54
Female	90
	144

Revenue.

From the Province	$334 44
From the Town of Almonte	100 00
From the County of Lanark	100 00
From other municipalities	65 00
From endowments, investments, etc.	26 93
From patients themselves for maintenance and treatment.	1,403 40
From subscriptions, donations and bequests from private individuals	611 62
From other sources	407 53
Total	$3,049 02

Expenditures.

Butchers' meat	$230 45
Butter and eggs	183 14
Flour, bread and milk	72 24
Milk	140 10
Tea and coffee	38 55
Potatoes and other vegetables.	46 94
Groceries and provisions not enumerated	252 86
Drugs and medicines	155 25
Medical and surgical appliances	188 72
Beer, wine and spirits	15 40
Bedding, napery and general house furnishings	45 63
Brooms, brushes, mops, soap and cleaning appliances	24 03
Fuel	191 11
Light; gas, oil and candles	17 10
Salaries and wages	1,417 00
Taxes and insurance	.....
Contingencies	162 42
Repairs, ordinary	24 15
Ice	19 53
Total	$3,224 62
Government grant for 1909	$432 57

GENERAL HOSPITAL, NIAGARA FALLS.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1908	10
Admitted	230
Births in Hospital	13
Total under treatment	253
Discharged	222
Died	21
Under treatment, 30th September, 1909	10
	253

Sex.

Male	130
Female	123
	253

Revenue.

From the Province of Ontario.	$780 91
From the Town of Niagara Falls	1,123 40
From the County of Welland	250 00
From other municipalities	348 70
From patients for maintenance and treatment	4,573 14
From subscriptions, donations and bequests from private individuals	412 90
From all other sources	151 00
Total	$7,641 05

Expenditures.

Butchers' meat	$608 65
Butter and eggs	337 96
Flour, bread and meal	162 02
Milk	210 95
Tea and coffee	78 10
Potatoes and other vegetables.	69 13
Groceries and provisions not enumerated	227 32
Drugs and medicines	456 49
Medical and surgical appliances	273 91
Surgical instruments	177 26
Beer, wine and spirits	28 50
Bedding, napery and general house furnishings	45 35
Brooms, brushes, mops, soap and cleaning appliances	57 54
Fuel	535 72
Light: gas, oil and candles	100 20
Ice supply	81 88
Salaries and wages	1,861 74
Stationery, printing	27 93
Contingencies	162 82
Repairs, ordinary	164 84
Laundry	710 17
Clothing for patients	.....
Total	$6,390 98
Government grant for 1909	$753 35

GENERAL HOSPITAL, WINGHAM.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1908	13
Admitted	114
Number of births in Hospital	5
Total number under treatment	132
Discharged	109
Died	11
Under treatment, 30th September, 1909	12
	132

Sex.

Male	60
Female	72
	132

Revenue.

From the Province of Ontario.	$415 58
From the Town of Wingham	375 00
From other municipalities	100 00
From paying patients	2859 84
Subscriptions, donations, etc.	57 00
Other sources	60 32
Total	$3,867 74

Expenditures.

Butchers' meat	236 94
Butter and eggs	132 52
Flour, bread and meal	66 41
Milk	194 72
Tea and coffee	17 35
Potatoes and other vegetables.	62 68
Groceries and provisions not enumerated	368 54

General Hospital, Orillia.

GENERAL HOSPITAL, WINGHAM.—*Continued.*

Drugs and medicines	159 33
Medical and surgical appliances	219 87
Bedding, napery and general house furnishings	28 67
Brooms, brushes, mops, soap and cleaning appliances	30 00
Fuel	306 05
Light: gas, oil and candles	135 99
Water supply	23 15
Ice	14 80
Salaries and wages	1,515 70
Contingencies	331 99
Repairs, ordinary	68 10
Taxes and insurance	7 92
Total	$3,920 73
Government grant for 1909	$411 24

GENERAL AND MARINE HOSPITAL, GODERICH.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1908	5
Admitted	63
Births in Hospital	10
Total number under treatment	78
Discharged	68
Died	4
Under treatment, 30th Septembre, 1909	6
	78

Sex.

Male	31
Female	47
	78

Revenue.

From the Province of Ontario	$330 73
From the Town of Goderich	600 00
From County of Huron	100 00
From other municipalities	.....
From patients themselves for maintenance and treatment	1,436 79
From endowments, investments, etc.	49 05
From subscriptions, donations and bequests from private individuals	51 24
From other sources	426 50
Total	2,994 31

Expenditures.

Butchers' meat	91 79
Butter and eggs	86 38
Flour, bread and meal	56 15
Milk	69 21
Tea and coffee	20 15
Potatoes and other vegetables.	27 86
Groceries and provisions not enumerated	81 54
Drugs and medicines	62 40
Medical and surgical appliances	102 33
Beer, wine and spirits	9 40
Bedding, napery and general house furnishings	30 47
Brooms, brushes, mops, soap and cleaning appliances	22 85
Fuel	352 85
Light: gas, oil and candles	37 67
Water supply	9 90
Salaries and wages	1,211 57
Insurance and taxes	18 00
Contingencies	94 90
Repairs, ordinary	29 22
Total	$2,426 64
Government grant for 1909	314 20

LADY MINTO HOSPITAL, NEW LISKEARD.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	25
Admitted	248
Births in Hospital	3
Total number under treatment	276
Discharged	223
Died	28
Under treatment, 30th September, 1909	25
	276

Sex.

Male	229
Female	47
	276

LADY MINTO HOSPITAL, NEW LISKEARD.—*Continued.*

Revenue.

From the Province of Ontario.	$846 51
From T. and A. B. Mine	493 50
From Victorian Order	300 00
From patients for maintenance and treatment	4,821 27
From subscriptions, donations and bequests from private individuals	287 17
From other sources	185 17
Total	$6,933 62

Expenditures.

Butchers' meat	254 87
Butter and eggs	369 39
Flour, bread and meal	185 48
Milk	507 10
Tea and coffee	54 49
Potatoes and other vegetables.	162 25
Groceries and provisions not enumerated	375 06
Drugs and medicines	281 17
Medical and surgical appliances	119 29
Surgical instruments	.....
Beer, wine and spirits	63 67
Bedding, napery and general house furnishings	85 96
Brooms, brushes, mops, soap and cleaning appliances	35 15
Fuel	355 98
Light: gas, oil and candles	141 71
Water	12 50
Ice supply	50 00
Salaries and wages	2,477 32
Insurance	.....
Freight and express	.....
Sundries	193 37
Repairs, ordinary	166 14
Total	$5,881 90
Government grant for 1909	$1,182 02

ROYAL ALEXANDRA HOSPITAL, FERGUS.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	18
Admitted	221
Births in Hospital	21
Total under treatment	260
Discharged	236
Died	12
Under treatment, 30th September, 1909	12
	260

Sex.

Male	114
Female	146
	260

Revenue.

From the Province of Ontario	$766 21
From the County of Wellington	1,000 00
From other municipalities	.....
From patients for maintenance and treatment	5,733 67
From subscriptions, donations and bequests from private individuals	29 20
From all other sources	.....
Total	$7,529 08

Expenditures.

Butchers' meat	$719 92
Butter and eggs	523 61
Flour, bread and meal	326 65
Milk	316 75
Tea and coffee	75 55
Potatoes and other vegetables	278 77
Groceries and provisions not enumerated	621 42
Drugs and medicines	519 31
Medical and surgical appliances	331 53
Surgical instruments	.....
Bedding, napery and general house furnishings	606 60
Brooms, brushes, mops, soap and cleaning appliances	52 42
Fuel	761 66
Light: gas, oil and candles	331 59
Water supply	.....
Ice supply	31 46
Salaries and wages	2,548 85
Taxes and insurance	.....
Contingencies	280 56
Repairs, ordinary	116 79
Hay, straw and feed	72 70
Total	$8,516 14
Government grant for 1909	$999 34

St. Joseph's Hospital, Chatham.

GENERAL HOSPITAL, PARRY SOUND.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1908	9
Admitted	150
Number of births in Hospital	3
Total number under treatment	162
Discharged	139
Died	12
Under treatment, 30th September, 1909	11
	162

Sex.

Male	104
Female	58
	162

Revenue.

From the Province of Ontario	$455 62
From the Town of Parry Sound	28 00
From other municipalities	4 90
From paying patients	2,192 25
Subscriptions, donations, etc...	.....
Other sources	1,136 39
	3,817 16

Expenditures.

Butchers' meat	259 63
Butter and eggs	224 00
Flour, bread and meal	125 59
Milk	131 40
Tea and coffee	42 45
Potatoes and other vegetables	70 26
Groceries and provisions not enumerated	288 62
Brooms, brushes, soap and cleaning appliances	39 60
Drugs and medicines	86 18
Medical and surgical appliances	225 94
Surgical instruments	107 39
Beer, wine and spirits	62 77
Bedding, napery and general house furnishings	174 49
Fuel	347 74
Light: gas, oil and candles	95 03
Water supply	24 61
Ice supply	27 00
Salaries and wages	1,755 90
Contingencies	27 00
Repairs, ordinary	50 00
Taxes and insurance	38 36
Total	$4,203 96
Government grant for 1909	$503 09

GENERAL HOSPITAL, ORILLIA.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment, 1st October, 1908	9
Admitted	222
Births in Hospital	3
Total number under treatment	234
Discharged	197
Died	14
Under treatment, 30th Sptember, 1909	23
	234

Sex.

Male	118
Female	116
	234

Revenue.

From the Province of Ontario	$203 59
From the Town of Orillia	.....
From the County of Simcoe	500 00
From other municipalities	.....
From patients themselves for maintenance and treatment.	2,957 70
From subscriptions, donations and bequests from private individuals	200 00
From other sources	200 00
Total	$4,061 29

Expenditures.

Butchers' meat	317 22
Butter and eggs	214 02
Flour, bread and meal	158 21
Milk	131 31
Tea and coffee	91 57

GENERAL HOSPITAL, ORILLIA.—*Continued.*

Potatoes and other vegetables	$82 18	Light: gas, oil and candles....	116 01
Groceries and provisions not enumerated	191 99	Water supply	35 60
Drugs and medicines	156 24	Ice	31 00
Surgical instruments and appliances	217 44	Salaries and wages	1,384 20
Bedding, napery and general house furnishings	237 23	Taxes and insurance	34 14
Brooms, brushes, mops, soap and cleaning appliances	41 03	Contingencies	363 59
Fuel	532 93	Repairs, ordinary	77 53
		Total	$4,413 44
		Government grant for 1909..	$648 31

GENERAL HOSPITAL, WELLAND.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	.....
Admitted	105
Number of births in Hospital....	7
Total number under treatment	112
Discharged	89
Died	16
Under treatment 30th September, 1909	7
	112

Sex.

Male	64
Female	48
	112

Revenue.

From the Province of Ontario..	.....
From the Town of Welland....	$95 45
From the County of Welland..	1,000 00
From other municipalities....	124 93
From paying patients	1,674 66
Subscriptions, donations, etc..	885 00
Other sources	47 62
Total	$3,827 66

Expenditures.

Butchers' meat	$191 78
Butter and eggs	151 35
Flour, bread and meal	69 09
Milk	111 95
Tea and coffee	31 70
Potatoes and other vegetables..	55 90
Groceries and provisions, not enumerated	166 70
Drugs and medicines	324 47
Medical and surgical appliances	32 39
Beer, wine and spirits	8 55
Brooms, brushes, mops, soap and cleaning appliances	70 29
Fuel	377 49
Light: gas, oil and candles....	41 70
Ice	55 88
Salaries and wages	1,733 70
Contingencies	225 64
Repairs, ordinary	27 65
Taxes and insurance	146 00
Laundry	357 47
Total	$4,179 70
Government grant for 1909....	$309 37

RAILWAY, MARINE AND GENERAL HOSPITAL, PORT ARTHUR.

The following summaries show the operations of the Hospital during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	.....
Admitted	196
Births in Hospital	8
Total number under treatment	204
Discharged	155
Died	11
Under treatment 30th September, 1909	38
	204

Sex.

Male	159
Female	45
	204

Mountain Sanitarium, Hamilton.

RAILWAY, MARINE AND GENERAL HOSPITAL, PORT ARTHUR—*Continued.*

Revenue.

From the Province of Ontario..	.....
From the City of Port Arthur..	.....
From patients themselves for maintenance and treatment..	$1,841 90
From subscriptions, donations and bequests from private individuals	26 80
From other sources	1,882 64
Total	$3,751 34

Expenditures.

Butchers' meat	$232 45
Butter and eggs	125 00
Flour, bread and meal	38 95
Milk	257 66
Tea and coffee	36 00
Potatoes and other vegetables.	55 82
Groceries and provisions not enumerated	208 73
Drugs and medicines	236 75
Surgical instruments and appliances	121 09
Beer, wine and spirits	11 25
Bedding, napery and general house furnishings	13 09
Fuel	104 90
Brooms, brushes, mops, soap and cleaning appliances	79 23
Electric light, gas, oil and candles	44 30
Electric power	48 55
Water supply	14 51
Ice	55 30
Salaries and wages	1,358 71
Taxes and insurance, telephone, etc.	156 83
Stationery, printing, etc.	122 11
Contingencies	46 49
Repairs, ordinary	26 38
Laundry	255 17
Total	$3,649 27
Government grant for 1909	$298 96

KING EDWARD SANATORIUM, WESTON.

The following summaries show the operations of this institution during the official year:

Movements of Patients.

Number under treatment 1st October, 1908	20
Admitted	87
Total number under treatment	107
Discharged	55
Died	26
Under treatment 30th September, 1909	26
Total	107

Sex.

Male	50
Female	57
	107

Revenue.

From the Province of Ontario	.....
From patients themselves....	$9,350 73
From subscriptions, bequests and donations of private individuals	.....
From other sources	44 00
Total	$9,394 73

Expenditures.

Butchers' meat	$1,738 01
Butter and eggs	877 37
Flour, bread and meal	328 07
Milk	892 52
Tea and coffee	92 55
Potatoes and other vegetables.	377 39
Groceries and provisions not enumerated	1,082 71
Drugs, medicines and surgical appliances, etc.	276 94
Beer, wine and spirits	.....
Bedding, napery and general house furnishings	399 58
Brooms, brushes, mops, soap and cleaning appliances	88 78
Fuel	619 09
Light: oil, candles and electric light	389 94
Ice	6 00
Salaries and wages	3,470 78
Laundry	425 12
Advertising, printing, postage, etc.	141 22
Contingencies	319 75
Repairs, ordinary	99 77
Total	$11,625 59

SANATORIA FOR CONSUMPTIVES.

The following institutions having complied with the statutory requirements, are entitled to Government aid at the rate of $3.00 per week for each patient admitted free or for whose maintenance $4.90 per week or less is contributed.

Name of Institution.	Location.	Stay of Patients.	Amount payable to each Institution for the year 1909.
			$ c.
Muskoka Free Hospital	Gravenhurst	3,060	9,182 58
Toronto Free Hospital	Weston	3,888	11,666 58
Mountain Sanatorium	Hamilton	1,658	4,974 85
Total for 1909			25,824 01
Total for 1908			19,954 00

CITY HOUSES OF REFUGE.

The usual information obtained from each Refuge, in respect of sex, and previous residence of the inmates, has been summarized as under:

Sex

Male	2,067
Female	4,015
	6,082

Former Residence.

Received from cities and towns in which Refuges are located	4,433
Received from counties in which the Refuges are located	391
Received from other counties in the Province	1,003
Immigrants and foreigners	255
	6,082

TABLE I.

Schedule B—Table I. gives a summary of the operations of each Refuge during the year.

Name of Refuge.	Location.	Number of persons in the Refuges on 1st of October, 1908.	Number admitted to Refuges during the year.	Total number under lodgment during the year ending 30th Sept., 1909.	Number discharged during the year.	Number of deaths during the year.	Number of persons remaining in Refuges on 30th Sept., 1909.
House of Industry	Toronto	160	142	302	136	24	142
House of Providence	"	505	282	787	238	45	504
Hospital for Incurables	"	141	37	178	9	31	138
St. John's Hospital	"	16	221	237	213	5	19
Convalescent Home	"	27	253	280	249	0	31
The Church Home	"	24	4	28	1	3	24
The Haven	"	90	324	414	323	9	82
Old Folks' Home	"	29	6	35	4	2	29
Good Shepherd Female Refuge	"	115	57	172	41	2	129
Aged Men's Home	"	33	14	47	4	7	36
Aged Women's Home	"	97	22	119	11	9	99
Industrial Refuge	"	47	30	77	5	1	71
S. A. Rescue Home	"	71	278	349	244	30	75
Victor Home for Young Women	"	9	242	251	234	1	16
House of Refuge	Hamilton	109	77	186	43	23	120
Home for Aged Women	"	36	3	39	2	3	34
St. Peter's Home	"	23	7	30	7	5	18
House of Industry	Kingston	34	48	82	47	3	32
House of Providence	"	192	143	335	96	34	205
Home for Friendless Women	"	25	40	65	24	15	26
Roman Catholic House of Refuge	London	118	112	230	90	20	120
Home for Aged People	"	82	28	110	15	11	84
Convalescent Home	"	4	29	33	30	1	2
Home for Incurables	"	34	18	52	3	12	37
St. Patrick's Refuge	Ottawa	100	71	171	50	9	112
St. Charles' Hospice	"	209	79	288	46	29	213
Home for the Aged	"	30	26	56	21	6	29
Refuge Branch, Orphans' Home	"	20	6	26	4	1	21
Home for Friendless Women	"	39	69	108	76	0	32
Refuge of Our Lady of Charity	"	165	173	338	133	1	204
Home for Incurables	"	17	14	31	2	8	21
House of Providence	Guelph	62	41	103	33	7	63
The Elliott Home	"	20	10	30	6	1	23
The Thomas Williams Home	St. Thomas	19	5	24	8	2	14
House of Providence	Dundas	137	67	204	58	12	134
Home for the Friendless	Chatham	14	22	36	11	1	24
The Widows' Home	Brantford	16	3	19	1	3	15
Home for the Friendless	Belleville	6	9	15	8	1	6
The Protestant Home	Peterboro	17	10	27	9	3	15
Home for the Friendless	Windsor	24	21	45	21	1	23
St. Paul's Home for the Aged	Cornwall	57	66	123	32	15	76
Totals for 1909		2,973	3,109	6,082	2,588	396	3,098
Totals for 1908		2,913	3,034	5,947	2,506	458	2,983

TABLE II.—Shows the aggregate stay of inmates, upon which the amount of aid to be granted by the Government to each Refuge is based. The average stay per inmate is also given.

Name of Refuge.	Location.	Number of inmates during the year.	Total stay in days during the year.	Average stay per inmate in days.
House of Industry	Toronto	302	61,441	203
House of Providence	"	787	180,134	229
Hospital for Incurables	"	178	50,137	282
St. John's Hospital	"	237	6,504	27
Convalescent Home	"	280	8,614	31
The Church Home	"	28	8,579	306
The Haven	"	414	33,748	82
Old Folks' Home	"	35	10,373	297
Good Shepherd Female Refuge	"	172	45,573	265
Aged Men's Home	"	47	13,530	288
Aged Women's Home	"	119	36,131	304
Industrial Refuge	"	77	23,308	303
S. A. Rescue Home	"	349	31,519	90
Victor Home for Young Women	"	251	6,420	25
House of Refuge	Hamilton	186	43,428	233
Home for Aged Women	"	39	12,916	331
St. Peter's Home	"	30	7,767	259
House of Industry	Kingston	82	14,280	174
House of Providence	"	335	81,636	244
Home for Friendless Women	"	65	10,907	168
Roman Catholic House of Refuge	London	230	45,134	196
Home for Aged People	"	110	31,214	284
Convalescent Home	"	33	2,148	25
Home for Incurables	"	52	12,205	235
St. Patrick's Refuge	Ottawa	171	40,887	239
St. Charles' Hospice	"	288	78,623	273
Home for the Aged	"	56	11,723	209
Refuge Branch, Orphans' Home	"	26	7,484	288
Home for Friendless Women	"	108	13,314	124
Refuge of Our Lady of Charity	"	338	66,915	198
Home for Incurables	"	31	6,980	225
House of Providence	Guelph	103	23,750	230
The Elliott Home	"	30	7,973	266
The Thomas Williams Home	St. Thomas	24	6,698	279
House of Providence	Dundas	204	52,823	259
Home for the Friendless	Chatham	36	7,679	213
The Widows' Home	Brantford	19	5,289	278
Home for the Friendless	Belleville	15	2,576	172
The Protestant Home	Peterboro	27	6,115	226
Home for the Friendless	Windsor	45	8,671	193
St. Paul's Home for the Aged	Cornwall	123	27,606	224
Totals for 1909		6,082	1,152,752	190
Totals for 1908		5,947	1,101,029	185

TABLE III.—Showing the cost of maintaining the Refuges.

Name of Refuge.	Location.	Aggregate stay of Inmates.	Cost of dietaries.	Expenditure for fuel, salaries and wages, and all general expenses.	Total expenditure exclusive of extraordinary expenses.	Average cost per inmate per day.
			$ c.	$ c.	$ c.	cents.
House of Industry	Toronto	61,441	5,895 93	5,524 18	*11,420 11	.1858
House of Providence	"	180,134	31,414 50	22,551 99	53,966 49	.2996
Hospital for Incurables	"	50,137	10,441 23	18,602 15	29,043 38	.5793
St. John's Hospital	"	6,504	3,642 38	6,869 51	10,511 89	1.6162
Convalescent Home	"	8,614	3,509 81	4,102 89	7,612 70	.8837
The Church Home	"	8,579	1,873 84	1,708 38	3,582 22	.4175
The Haven	"	33,748	3,825 57	6,957 16	10,782 73	.3195
Old Folks' Home	"	10,373	2,238 21	3,903 24	6,141 45	.5926
Good Shepherd Female Refuge	"	45,573	2,992 05	5,744 08	8,736 13	.1916
Aged Men's Home	"	13,530	2,275 02	3,768 15	6,043 17	.4466
Aged Women's Home	"	36,131	6,194 09	8,807 66	15,001 75	.4152
Industrial Refuge	"	23,308	2,786 17	4,873 01	7,659 18	.3286
S. A. Rescue Home	"	31,519	1,317 78	3,945 63	5,263 41	.1670
Victor Home for Young Women	"	6,420	935 86	963 93	1,899 79	.1059
House of Refuge	Hamilton	43,428	5,836 49	9,486 94	15,323 43	.3528
Home for Aged Women	"	12,916	1,842 64	3,227 96	†5,070 60	.3920
St. Peter's Home	"	7,761	762 03	2,413 71	3,175 74	.4088
House of Industry	Kingston	14,280	1,487 38	1,928 12	3,415 50	.2392
House of Providence	"	81,636	11,458 12	9,304 14	20,762 26	.2543
Home for Friendless Women	"	10,921	656 87	1,095 83	1,752 70	.1606
Roman Catholic House of Refuge	London	45,134	8,308 17	7,648 75	15,956 92	.3535
Home for Aged People	"	31,214	5,074 17	5,359 02	10,433 19	.3342
Convalescent Home	"	2,148	303 89	379 33	683 22	.3180
Home for Incurables	"	12,265	2,575 49	4,632 88	7,208 37	.5906
St. Patrick's Refuge	Ottawa	40,887	6,612 51	9,705 53	16,318 04	.3991
St. Charles' Hospice	"	78,623	9,131 08	9,099 73	18,230 81	.2318
Home for the Aged	"	11,723	1,105 78	1,956 57	3,060 35	.2610
Refuge Branch, Orphans' Home	"	7,484	‡	‡	‡	‡
Home for Friendless Women	"	13,314	1,542 52	6,606 96	8,149 48	.6120
Refuge of Our Lady of Charity	"	66,915	5,411 33	8,515 50	13,926 83	.2081
Home for Incurables	"	6,980	1,233 26	3,633 23	4,866 49	.6972
House of Providence	Guelph	23,750	2,086 29	2,782 91	4,869 20	.2038
The Elliott Home	"	7,973	1,806 68	2,501 50	4,308 18	.5403
The Thomas Williams Home	St. Thomas	6,698	949 88	1,371 03	2,320 91	.3465
House of Providence	Dundas	52,823	6,776 17	6,830 10	13,606 27	.2575
Home for the Friendless	Chatham	7,679	1,146 59	2,053 94	3,200 53	.4168
The Widows' Home	Brantford	5,989	408 94	704 83	1,113 77	.2105
Home for the Friendless	Belleville	2,576	280 69	664 21	944 90	.5668
The Protestant Home	Peterboro	6,115	793 23	1,349 35	2,142 58	.3504
Home for the Friendless	Windsor	8,668	1,254 42	1,460 43	§2,714 85	.3131
St. Paul's Home for the Aged	Cornwall	27,606	2,966 06	1,551 14	4,517 20	.1636
Totals for 1909		1,152,762	161,151 12	204,585 60	365,736 72	.3172
Totals for 1908		1,101,029	155,867 48	196,010 38	351,877 86	.3195

*House of Industry, Toronto, exclusive of outdoor relief, which amounted to $26,016.06; 2,133 families received aid.

†Home for the Aged, Hamilton, exclusive of outdoor relief, which amounted to $130.00.

‡Included in Orphanage Branch.

§Home for the Friendless, Windsor, exclusive of outdoor relief, which amounted to $1,831.99.

TABLE IV.—Shows the basis upon which statutory aid is granted.

Name of Refuge.	Location.	Collective days' stay upon which computation of Refuge rate is based, exclusive of infants under one year old.	Collective days' stay upon which computation of Orphanage rate is based, exclusive of infants under one year old.	Amount received from all sources other than Government.	Computation at 7 cents per day.	Computation at 2 cents per day.	Total Government allowance to each House of Refuge for the year 1909.
				$ c.	$ c.	$ c.	$ c.
House of Industry	Toronto	61,441	.....	5,495 10	4,300 87	.....	4,300 87
House of Providence	"	180,134	.....	40,583 85	12,609 38	.....	12,609 38
Hospital for Incurables	"	50,137	.....	25,589 13	3,906 74	.....	3,906 74
St. John's Hospital	"	6,504	.....	9,407 30	975 60	.....	975 60
Convalescent Home	"	8,262	352	7,345 28	578 34	7 04	585 38
The Church Home	"	8,579	.....	3,046 37	600 53	.....	600 53
The Haven	"	25,086	8 662	7,717 82	1,756 02	173 24	1,929 26
Old Folks' Home	"	10,373	.....	4,950 64	726 11	.....	726 11
Good Shepherd Female Refuge	"	45,573	.....	5,823 75	3,190 11	.....	3,190 11
Aged Men's Home	"	13,530	.....	5,731 62	947 10	.....	947 10
Aged Women's Home	"	36,131	.....	13,223 56	2,529 17	.....	2,529 17
Industrial Refuge	"	23,308	.....	5,721 35	1,631 56	.....	1,631 56
S. A. Rescue Home	"	18,932	12,587	4,128 18	1,325 24	251 74	1,576 98
Victor Home for Young Women.	"	5,259	1,161	1,774 88	368 13	23 22	391 35
House of Refuge	Hamilton	43,428	.....	12,638 09	3,039 96	.....	.....
Home for Aged Women	"	12,916	.....	3,989 78	904 12	.....	904 12
St. Peter's Home	"	7,767	.....	2,819 36	543 69	.....	543 69
House of Industry	Kingston	14,280	.....	2,326 35	999 60	.....	999 60
House of Providence	"	81,636	.....	14,499 30	5,714 52	.....	5,714 52
Home for Friendless Women	"	2,653	8,208	2,209 10	185 71	165 36	351 07
Roman Catholic House of Refuge.	London	45,134	.....	12,738 60	3,159 38	.....	3,159 38
Home for Aged People	"	31,214	.....	8,122 28	2,184 98	.....	2,184 98
Convalescent Home	"	2,148	.....	869 86	150 36	.....	150 36
Home for Incurables	"	12,182	23	6,098 24	852 74	46	853 20
St. Patrick's Refuge	Ottawa	40,887	.....	15,848 91	2,862 09	.....	2,862 09
St. Charles' Hospice	"	78,623	.....	10,480 99	5,503 61	.....	5,503 61
Home for the Aged	"	11,723	.....	3,314 68	820 61	.....	820 61
Refuge Branch, Orphans' Home	"	7,484	.....	.....	523 88	.....	523 88
Home for Friendless Women	"	10,077	3,237	7,345 74	705 39	64 74	770 13
Refuge of Our Lady of Charity	"	56,383	10,532	9,745 75	3,946 81	210 64	4,157 45
Home for Incurables	"	6,980	.....	5,593 08	488 60	.....	488 60
House of Providence	Guelph	23,750	.....	3,187 85	1,662 50	.....	1,662 50
The Elliott Home	"	7,973	.....	4,153 70	558 11	.....	558 11
The Thomas Williams Home	St. Thomas	6,698	.....	2,500 83	468 86	.....	468 86
House of Providence	Dundas	52,823	.....	9,997 35	3,697 61	.....	3,697 61
Home for the Friendless	Chatham	7,679	.....	2,846 04	537 53	.....	537 53
The Widows' Home	Brantford	5,289	.....	762 95	370 23	.....	370 23
Home for the Friendless	Belleville	2,576	.....	728 84	180 32	.....	180 32
The Protestant Home	Peterboro	6,115	.....	1,749 78	428 05	.....	428 05
Home for the Friendless	Windsor	8,633	35	3,416 64	604 31	70	605 01
St. Paul's Home for the Aged	Cornwall	27,606	.....	2,733 75	1,932 42	.....	1,932 42
Totals for 1909	.....	1,107,906	44,856	294,414 67	78,470 89	897 14	76,328 07
Totals for 1908	.....	1,057,003	25,156	318,933 54	75,069 18	503 12	75,572 30

* Included in Orphanage Branch.

SEPARATE REPORTS.

HOUSE OF INDUSTRY, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908...	160
Admitted	142
Total number of inmates ...	302
Discharged	136
Died	24
In residence, 30th September, 1909	142
	302

Places admitted from.

From the City of Toronto	301
From the County of York and other counties	.....
Immigrants and foreigners	1
	302

Sex.

Male	242
Female	60
	302

Receipts.

From the Province of Ontario.	$4,058 67
From the City of Toronto	2,000 00
From inmates	600 00
Income from property belonging to the House	1,282 10
Subscriptions and donations..	1,613 00
From other sources	.....
From City of Toronto for outdoor and casual poor	34,000 00
Total	$43,553 78

Expenditures.

Food of all kinds	$5,895 93
Clothing, furniture and furnishings	640 77
Fuel, light and cleaning	1,965 61
Salaries and wages	1,815 50
Repairs	585 87
Other expenditures	516 43
Outdoor and casual poor	26,016 06
Total	$37,436 17
Government aid for 1909.....	$4,300 87

HOUSE OF PROVIDENCE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	505
Admitted	282
Total	787
Discharged	238
Died	45
In residence, 30th September, 1909	504
	787

Places admitted from.

City of Toronto	763
County of York	.....
Other counties in Ontario	24
	787

Sex.

Male	345
Female	442
	787

Receipts.

From the Province of Ontario.	$12,885 88
From the City of Toronto	12,000 00
Other municipalities	$200 00
From inmates, in payment of board	3,441 45
Subscriptions, donations and bequests of private individuals	16,621 99
From other sources	8,320 41
Total	$53,469 73

Expenditures.

Food of all kinds	$31,414 50
Clothing, furniture and furnishings	4,429 43
Fuel, light and cleaning.....	6,993 94
Salaries and wages	1,423 60
Drugs and medicines	1,502 41
Ordinary repairs	3,909 52
Other expenditures	4,293 09
Total	$53,966 49
Government aid for 1909	$12,609 38

Southam Home, Hamilton.

HOSPITAL FOR INCURABLES, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	141
Admitted	37
Total number of inmates ...	178
Discharged	9
Died	31
In residence, 30th September, 1909	138
	178

Places admitted from.

From the City of Toronto	167
From the County of York and other counties	6
Immigrants, foreigners, etc.	5
	178

Sex.

Male	90
Female	88
	178

Receipts.

From the Province of Ontario	$4,060 85
From the City of Toronto ..	8,878 55
From other municipalities	.....
Payments from inmates	10,900 58
Income from property belonging to the Home	722 97
Subscriptions, donations, etc..	5,087 03
Other sources	.....
Total	$29,649 98

Expenditures.

Food of all kinds	$10,441 23
Clothing and furnishings	1,689 90
Fuel, light and cleaning	5,016 43
Salaries and wages	7,859 23
Repairs, ordinary	723 81
Medicine and medical comforts	784 36
Total	$29,043 38
Government aid for 1909.....	$3,906 74

ST. JOHN'S HOSPITAL, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	16
Admitted	221
Total number of inmates ..	237
Discharged	213
Died	5
In residence, 30th September, 1909	19
	237

Places admitted from.

City of Toronto	162
County of York	8
Other counties	53
Immigrants, foreigners, etc.....	14
	237

Sex.

Female	237
Male	.....
	237

Receipts.

From the Government of Ontario	$1,009 80
From the City of Toronto	625 80
From other municipalities	.....
From the inmates	8,463 85
Subscriptions	248 38
Income from property belonging to the House	69 27
Total	$10,417 10

Expenditures.

Food of all kinds	$3,642 38
Furniture and furnishings	300 82
Fuel, gas and cleaning	1,503 14
Salaries and wages	2,500 90
Repairs, ordinary	1,203 14
Medicine and medical comforts	637 19
Other expenses	724 32
Total	$10,511 89
Government aid for 1909.....	$975 60

THE CONVALESCENT HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	27
Admitted	253
Total number of inmates ..	280
Discharged	249
Died	.....
In residence, 30th September, 1909	31
	280

Places admitted from.

City of Toronto	246
County of York	2
Other counties	15
Immigrants, foreigners, etc.	17
	280

Sex.

Male	21
Female	259
	280

Receipts.

From the Province of Ontario.	$591 76
From the City of Toronto....	1,142 00
Payment from inmates	6,081 64
Income from property belonging to the Home	107 64
Subscriptions and donations..	14 00
Total	$7,937 04

Expenditures.

Food of all kinds	$3,509 81
Furnishings, etc.	383 71
Fuel, light and cleaning	767 67
Salaries and wages	2,090 13
Ordinary repairs, etc.	454 87
Other expenses	406 51
Total	$7,612 70
Government aid for 1909 ..	$585 38

CHURCH HOME FOR THE AGED, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	24
Admitted	4
Total number of inmates ..	28
Discharged	1
Died	3
In residence, 30th September, 1909	24
	28

Places admitted from.

City of Toronto	21
Other counties of Ontario	7
Immigrants, etc	.....
	28

Sex.

Male	9
Female	19
	28

Receipts.

From the Government of Ontario	$591 85
From the City of Toronto	150 00
From other municipalities....	.....
From payments made by inmates	2,525 00
Income from property belonging to the Home	.....
Subscriptions, donations, etc.	371 37
Total	$3,638 22

Expenditures.

Food of all kinds	$1,873 84
Clothing and furnishings.. ...	149 59
Fuel, light and cleaning, etc..	570 63
Salaries and wages	552 13
Repairs	123 55
Other expenses	312 48
Total	$3,582 22
Government aid for 1909	$600 53

THE HAVEN, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	90
Admitted	324
Total number of inmates ...	414
Discharged	323
Deaths	9
In residence, 30th September, 1909	82
	414

Places admitted from.

City of Toronto	280
Other cities and counties	2
County of York	115
Immigrants, etc.	17
	414

Sex.

Male (infants)	46
Female	368
	414

Receipts.

From the Province of Ontario	$1,971 46
From the City of Toronto	1,680 00
From inmates	840 75
Income from laundry, etc.	3,822 91
Subscriptions and donations...	1,350 72
From other sources	23 44
Total	$9,689 28

Expenditures.

Food of all kinds	$4,268 87
Clothing, furnishings, etc.	767 01
Fuel, light, cleaning, etc.....	1,502 43
Salaries and wages	1,815 41
Repairs	376 52
Other expenses	2,052 49
Total	$10,782 73
Government aid for 1909.....	$1,929 26

THE OLD FOLKS' HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements or Patients.

In residence, 1st October, 1908	29
Admitted	6
Total number of inmates	35
Discharged	4
Died	2
In residence, 30th September, 1909	29
	35

Places admitted from.

City of Toronto	33
County of York	1
Other counties	1
	35

Sex.

Females	35
	35

Receipts.

From the Province of Ontario	$729 54
From the City of Toronto ...	200 00
Payments of inmates	2,956 24
Income from property belonging to the Home	59 50
Subscriptions, donations and income	1,526 50
Other sources	208 40
Total	$5,680 18

Expenditures.

Food of all kinds	$2,238 21
Clothing and furnishings ..	278 54
Fuel, light and cleaning	840 22
Salaries and wages	1,429 49
Repairs	545 53
Other expenses	486 86
Total	$5,818 85
Government aid for 1909	$726 11

GOOD SHEPHERD FEMALE REFUGE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908 ..	115
Admitted	57
Total number of inmates ..	172
Discharged	41
Died	2
In residence, 30th September, 1909	129
	172

Places admitted from.

From the City of Toronto	159
From the County of York and other counties	1
Immigrants and foreigners	12
	172

Sex.

Female	172
	172

Receipts.

From the Province of Ontario	$2,807 18
From the City of Toronto ..	500 00
From inmates	30 00
Subscriptions and donations..	200 00
From other sources	5,093 75
Total	$8,630 93

Expenditures.

Food of all kinds	$2,992 05
Clothing funiture and furnishings	1,035 30
Fuel, light and cleaning	765 90
Salaries and wages	750 00
Repairs	50 00
Drugs and medicines	420 00
Other expenditures	2,722 88
Total	$8,736 13
Government aid for 1909	$3,190 11

AGED MEN'S HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908 ..	33
Admitted	14
Total	47
Discharged	4
Died	7
In residence, 30th September, 1909	36
	47

Places admitted from.

City of Toronto	38
County of York and other counties	9
	47

Sex.

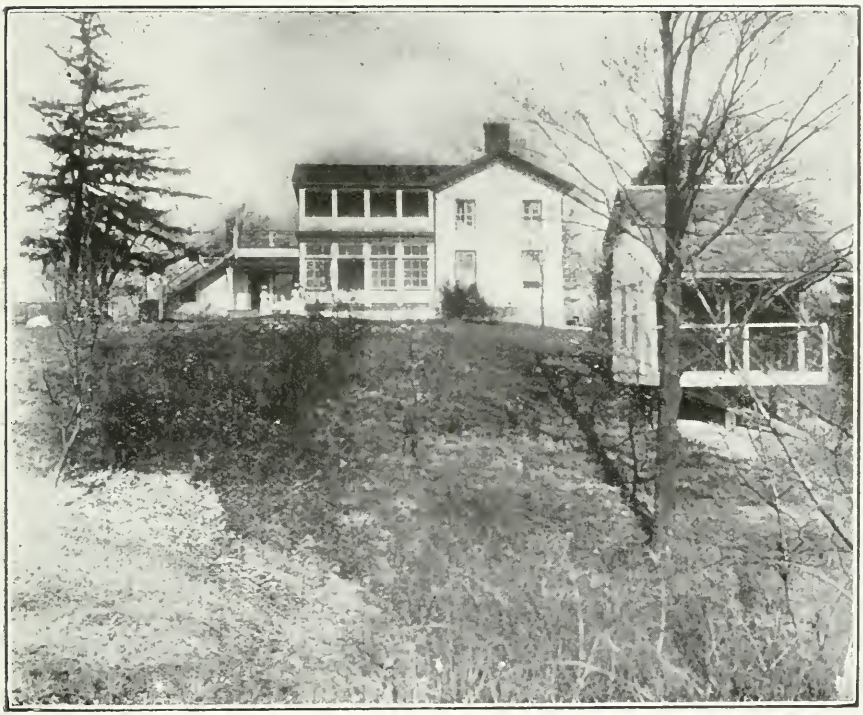
Male	47
	47

Receipts.

From the Government of Ontario	$641 62
From the City of Toronto	200 00
From payments made by inmates	4,563 00
Subscriptions, donations, etc..	946 27
Received from all other sources	22 25
Total	$6,373 14

Expenditures.

Food of all kinds	$2,275 02
Clothing and furnishings	480 04
Fuel, light, cleaning, etc	520 91
Salaries and wages	2,211 67
Repairs	82 57
Other expenses	472 96
Total	$6,043 17
Government aid for 1909	$947 10



Sanitarium for Consumptives, St. Catharines.

AGED WOMEN'S HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908 ..	97
Admitted	22
Total number of inmates	119
Discharged	11
Deaths	9
In residence, 30th September, 1909	99
	119

Places admitted from.

City of Toronto	110
Other cities and counties	1
Immigrants, foreigners, etc.....	8
	119

Sex.

Female	119
	119

Receipts.

From the Province of Ontario.	$1,995 14
From the City of Toronto....	200 00
From inmates	11,976 44
Subscriptions and donations ..	1,006 00
From other sources	41 12
Total	$15,218 70

Expenditures.

Food of all kinds	$6,194 09
Clothing, furnishings, etc.....	520 01
Fuel, light, cleaning, etc.	1,456 24
Salaries and wages	4,549 77
Repairs	162 21
Other expenses	2,119 43
Total	$15,001 75
Government aid for 1909.....	$2,529 17

INDUSTRIAL REFUGE, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908 ..	47
Admitted	30
Total number of inmates	77
Discharged	5
Died	1
In residence, 30th September, 1909	71
	77

Places admitted from.

From the City of Toronto	73
From the County of York and other counties	4
Immigrants, foreigners, etc.	
	77

Sex.

Female	77
	77

Receipts.

From the Province of Ontario..	$1,007 09
From the City of Toronto	175 00
Payments from inmates	100 00
Subscriptions, donations and income	977 26
Laundry, sewing, etc.	4,469 35
Total	$6,728 70

Expenditures.

Food of all kinds	$2,786 17
Clothing and furnishings	747 41
Fuel, light and cleaning	626 68
Salaries and wages	1,992 34
Repairs, ordinary	322 94
Medicine and medical comforts	110 70
Other expenses	1,072 94
Total	$7,659 18
Government aid for 1909	$1,631 56

VICTOR HOME FOR YOUNG WOMEN, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908...	9
Admitted	242
Total number of inmates	251
Discharged	234
Deaths	1
In residence, 30th September, 1909	16
	251

Places Admitted From.

City of Toronto	140
County of York	9
Other counties of Ontario	26
Immigrants, foreigners, etc.	76
	251

Sex.

Female	241
Male infants	10
	251

Receipts.

From the Province of Ontario..	$319 43
From the City of Toronto	300 00
From inmates	32 00
Subscriptions, donations of private individuals	62 30
From other sources	1,380 58
Total	$2,094 31

Expenditures.

Food of all kinds	$935 86
Clothing, furnishings, etc. ...	27 04
Fuel, light, cleaning, etc.	264 42
Salaries and wages	415 00
Repairs	55 30
Other expenses	202 17
Total	$1,899 79
Government aid for 1909.....	$391 35

S. A. RESCUE HOME, TORONTO.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st Octoer, 1908..	71
Admitted	278
Total number of inmates...	349
Discharged	244
Deaths	30
In residence, 30th September, 1909	75
	349

Places admitted from.

City of Toronto	245
County of York and other counties	95
Immigrants, etc.	9
	349

Sex.

Male	54
Female	295
	349

Receipts.

From the Province of Ontario.	$1,114 00
From the City of Toronto ...	250 00
From inmates	221 00
Income from laundry and sewing	2,706 53
Subscriptions and donations..	734 40
From other sources	216 25
Total	$5,242 18

Expenditures.

Food of all kinds	$1,862 78
Clothing, furnishings, etc.	42 98
Fuel, light, cleaning, etc.	750 33
Salaries and wages	811 50
Repairs	39 55
Taxes, insurance and rent ..	1,114 00
Drugs and medicines	110 10
Other expenses	532 17
Total	$5,263 41
Government aid for 1909.....	$1,576 98

HOUSE OF REFUGE, HAMILTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	109
Admitted	77
Total number of inmates....	186
Discharged	43
Died	23
In residence, 30th September, 1909	120
	186

Places admitted from.

City of Hamilton	186
County of Wentworth	.....
	186

Sex.

Male	137
Female	49
	186

Receipts.

From the Government of Ontario	$2,685 34
From the City of Hamilton..	12,063 71
From the municipalities	.....
From the inmates	574 38
Subscriptions, donations of private individuals	.....
From all other sources	.....
Total	$15,323 43

Expenditures.

Food of all kinds	$5,836 49
Clothing, furnishings, etc.	622 47
Fuel, gas, etc.	2,541 31
Salaries and wages	3,842 40
Ordinary repairs	1,114 61
Taxes and insurance	453 62
Other expenses	912 53
Total	$15,323 43

HOME FOR AGED WOMEN, HAMILTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908..	36
Admitted	3
Total number of inmates....	39
Number discharged	2
Number of deaths	3
In residence, 30th September, 1909	34
	39

Places admitted from.

City of Hamilton	39
	39

Sex.

Female	39
	39

Receipts.

From the Government of Ontario	$911 12
From the City of Hamilton...	681 40
Income from property	1,163 81
From Township of West Flamboro	72 00
Subscriptions, donations of private individuals	1,775 66
From all other sources	296 91
Total	$4,900 97

Expenditures.

Food of all kinds	$1,842 64
Clothing, furnishings, etc.	476 99
Fuel, gas, etc.	745 64
Salaries and wages	1,441 49
Ordinary repairs	65 50
Other expenses	368 29
Outdoor relief	130 00
Total	$5,070 55
Government aid for 1909.....	$904 12

ST. PETER'S HOME, HAMILTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	23
Admitted	7
Total number of inmates....	30
Discharged	7
Died	5
In residence, 30th September, 1909	18
	30

Places admitted from.

City of Hamilton	17
County of Wentworth and other counties	10
Immigrants, foreigners, etc.	3
	30

Sex.

Male	23
Female	7
	30

Receipts.

From the Ontario Government	$586 81
From the City of Hamilton....	207 93
From the County of Wentworth	300 00
From the inmates	2,061 57
From subscriptions, donations, etc.	88 19
From other sources	161 67
Total	$3,406 17

Expenditures.

Food of all kinds	$762 03
Clothing, furnishings, etc.	115 34
Fuel, light and cleaning	320 35
Salaries and wages	1,110 10
Ordinary repairs	152 89
Live stock and feed	311 34
Other expenses	403 69
Total	$3,175 74
Government aid for 1909	$543 69

HOUSE OF INDUSTRY, KINGSTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	34
Admitted	48
Total number of inmates.....	82
Discharged	47
Died	3
In residence, 30th September, 1909	32
Total	82

Places admitted from.

City of Kingston	69
County of Frontenac	8
Other counties of Ontario	5
Immigrants, foreigners, etc.	....
	82

Sex.

Male	55
Female	27
	82

Receipts.

From the Province of Ontario	$866 97
From the City of Kingston ...	800 00
County of Frontenac	732 15
Lennox and Addington	246 95
Payments from inmates.....	180 05
Income from property	181 60
Subscriptions and donations...	30 00
Other sources	155 60
Total	$3,193 32

Expenditures.

Food of all kinds	$1,487 38
Clothing, furniture and furnishings	123 83
Fuel, light and cleaning	361 48
Salaries and wages	609 75
Repairs, ordinary	203 15
Farming	40 20
Other expenses	186 69
Total	$3,012 48
Government aid for 1909.....	$999 60

HOUSE OF PROVIDENCE, KINGSTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	192
Admitted	143
Total number of inmates....	335
Discharged	96
Died	34
In residence, 30th September, 1909	205
	335

Places admitted from.

City of Kingston	94
County of Frontenac	23
Other counties	192
Immigrants, foreigners, etc.	26
	335

Sex.

Male	....
Female	....
	335

Receipts.

From the Province of Ontario.	$5,574 52
From the City of Kingston ..	100 00
From the County of Frontenac	599 50
From other municipalities	.....
Income from property	526 20
Payment from inmates	3,633 70
Subscriptions and donations..	4,395 74
Sisters' earnings, etc.	3,573 45
Other sources	1,670 71
Total	$20,073 82

Expenditures.

Food of all kinds	$11,458 12
Clothing, furnishings, etc. ...	2,118 69
Salaries and wages	52 00
Fuel light and cleaning	3,745 80
Repairs, ordinary	672 67
Taxes and insurance	874 86
Other expenses	1,840 12
Total	$20,762 26
Government aid for 1909.....	$5,714 52

HOME FOR FRIENDLESS WOMEN AND INFANTS, KINGSTON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	25
Admitted	40
Total number of inmates.....	65
Discharged	24
Died	15
In residence, 30th September, 1909	26
	65

Places admitted from.

From the City of Kingston.....	20
From the County of Frontenac....	9
Other counties in Ontario	31
Immigrants, foreigners, etc.	5
	65

Sex.

Male	27
Female	38
	65

Receipts.

From the Province of Ontario.	$254 30
From the City of Kingston....	300 00
From the County of Frontenac.	150 00
From inmates	1,173 00
Subscriptions and donations..	356 37
Other sources	229 78
Total	$2,463 45

Expenditures.

Food of all kinds	$656 87
Clothing and furnishings	167 10
Fuel, light, cleaning, etc.....	235 25
Salaries and wages	540 00
Repairs	36 00
Other expenses	117 48
Total	$1,752 70
Government aid for 1909.....	$351 07

ROMAN CATHOLIC HOUSE OF REFUGE, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	118
Admitted	112
Total number of inmates.....	230
Discharged	90
Died	20
In residence, 30th September, 1909	120
	230

Places admitted from.

City of London	85
County of Middlesex	26
Other counties in Ontario	116
Immigrants, foreigners, etc.	3
	230

Sex.

Male..	116
Female	114
	230

Receipts.

From the Province of Ontario.	$2,944 83
From the City of London	300 00
From other municipalities ...	61 00
Payment from inmates	3,113 40
Subscriptions and donations..	7,794 82
Other sources	1,469 38
Total	$15,683 43

Expenditures.

Food of all kinds	$8,308 17
Clothing, furniture and furnishings	1,405 33
Fuel, light and cleaning	2,049 76
Salaries and wages	1,950 75
Repairs ordinary	1,483 07
Taxes, insurance, etc.	568 15
Other expenses	1,091 69
Total	$15,956 92
Government aid for 1909.....	$3,159 38

HOME FOR AGED PEOPLE, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	82
Admitted	28
Total number of inmates	110
Discharged	15
Died	11
In residence, 30th September, 1909	84
	110

Places admitted from.

City of London	82
County of Middlesex	12
Other counties of Ontario	16
Immigrants, foreigners, etc.	....
	110

Sex.

Male	57
Female	53
	110

Receipts.

From the Province of Ontario.	$2,160 62
From the City of London	3,157 22
From the County of Middlesex.	.....
From other municipalities	.....
Payment from inmates	4,532 16
Subscriptions and donations..	209 43
Other sources	223 47
Total	$10,282 90

Expenditures.

Food of all kinds	$5,074 17
Clothing, furniture and furnishings	683 77
Fuel light and cleaning	1,449 67
Salaries and wages	2,187 25
Repairs ordinary	509 52
Drugs and medicines	309 86
Other expenses	218 95
Total	$10,433 19
Government aid for 1909.....	$2,184 98

Sanitarium for Consumptives, Ottawa.

CONVALESCENT HOME, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	4
Admitted	29
Total number of inmates.....	33
Discharged	30
Died	1
In residence, 30th September, 1909	2
	33

Places admitted from.

City of London	33
County of Middlesex and other counties	....
	33

Sex.

Male	13
Female	20
	33

Receipts.

From the Province of Ontario.	$151 28
From the City of London	100 00
Payment from inmates	275 85
Subscriptions and donations..	479 19
Other sources	14 82
Total	$1,021 14

Expenditures.

Food of all kinds	$303 89
Clothing, furniture and furnishings	.....
Fuel, light and cleaning	115 86
Salaries and wages	187 50
Repairs, ordinary	15 41
Other expenses	60 56
Total	$683 22
Government aid for 1909.....	$150 36

HOME FOR INCURABLES, LONDON.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	34
Admitted	18
Total number of inmates	52
Discharged	3
Died	12
In residence, 30th September, 1909	37
	52

Places admitted from.

City of London	24
County of Middlesex	8
Other counties of Ontario	20
	52

Sex.

Male	29
Female	23
	52

Receipts.

From the Province of Ontario.	$847 65
From the City of London	1,112 47
From the County of Middlesex	.....
Payments from inmates	4,738 65
Subscriptions, donations and income	166 00
Other sources	81 12
Total	$6,945 89

Expenditures.

Food of all kinds	$2,575 49
Clothing and furnishings	330 13
Fuel, light and cleaning	1,053 04
Salaries and wages	2,500 35
Repairs	243 76
Other expenses	505 60
Total	$7,208 37
Government aid for 1909.....	$853 20

ST. PATRICK'S REFUGE, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	100
Admitted	71
Total number of inmates....	171
Discharged	50
Died	9
In residence, 30th September, 1909	112
	171

Places admitted from.

City of Ottawa	122
County of Carleton	22
Immigrants	18
Other counties in Ontario	9
	171

Sex.

Male	62
Female	109
	171

Receipts.

From the Government of Ontario	$2,945 95
From the City of Ottawa	350 00
From the County of Carleton.	50 00
From other municipalities ...	.....
From payments made by inmates	4,122 87
Subscriptions, donations, etc..	7,254 43
Other sources	4,071 61
Total	$18,794 86

Expenditures.

Food of all kinds	$6,612 51
Clothing and furnishings	860 68
Fuel, light, cleaning, etc.	2,896 45
Salaries and wages	2,711 50
Repairs, ordinary	655 84
Live stock and farm grounds	.....
Taxes and insurance	305 27
Other expenses	2,275 79
Total	$16,318 04
Government aid for 1909.....	$2,862 09

ST. CHARLES' HOSPICE, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	209
Admitted	79
Total number of inmates.....	288
Discharged	46
Died	29
In residence, 30th September, 1909	213
	288

Places admitted from.

City of Ottawa	185
County of Carleton	15
Other counties	48
Immigrants, foreigners, etc.	40
	288

Sex.

Male	119
Female	169
	288

Receipts.

From the Government of Ontario	$5,159 84
From the City of Ottawa	400 00
From the County of Carleton.	50 00
From other municipalities	618 72
Income from property belonging to the House	546 20
From payments made by inmates	4,139 84
Subscriptions, donations, etc..	3,955 50
Other sources	770 73
Total	$15,640 83

Expenditures.

Food of all kinds	$9,131 08
Clothing and furnishings	1,392 49
Fuel, light, cleaning, etc.	1,766 33
Salaries and wages	498 25
Repairs, ordinary	2,427 22
Taxes and insurance	729 10
Other expenses	2,286 34
Total	$18,230 81
Government aid for 1909.....	$5,503 61

HOME FOR THE AGED, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908....	30
Admitted	26
Total number of inmates.....	56
Discharged	21
Died	6
In residence, 30th September, 1909	29
	56

Places admitted from.

City of Ottawa	41
County of Carleton	12
Other counties	3
	56

Sex.

Male	54
Female	2
	56

Receipts.

From the Government of Ontario	$762 02
From the City of Ottawa	400 00
From the County of Carleton	300 00
From other municipalities	.....
From payments made by inmates	831 30
Subscriptions, donations, etc..	1,224 00
Income from property	529 25
Other sources	30 43
Total	$4,077 00

Expenditures.

Food of all kinds.....	$1,103 78
Clothing and furnishings	.....
Fuel, light, cleaning, etc.	495 00
Salaries and wages	1,162 48
Repairs, ordinary	66 21
Taxes and insurance.....	.....
Other expenses	232 88
Total	$3,060 35
Government aid for 1909	$820 61

REFUGE BRANCH, ORPHANS' HOME, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908 ...	20
Admitted	6
Total number of inmates	26
Discharged	4
Died	1
In residence, 30th December, 1909	21
	26

Places admitted from.

City of Ottawa	23
County of Carleton	3
	26

Sex.

Female	26
	26
Government aid for 1909	$523 88

The receipts and expenditures of this charity are shown in the report upon the Orphans' Home, Ottawa.

THE HOME FOR FRIENDLESS WOMEN, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

Number under treatment, 1st October, 1908	39
Admitted	69
Total number of inmates.....	108
Discharged	76
Died	..
In residence, 30th September, 1909	32
	108

THE HOME FOR FRIENDLESS WOMEN, OTTAWA.—*Continued.*

Places admitted from.

City of Ottawa	56
County of Carleton	14
Other counties in Ontario	16
Immigrants, etc.	22
	108

Sex.

Male	20
Female	88
	108

Receipts.

From the Province of Ontario	$882 83
From the City of Ottawa	200 00
From the County of Carleton	50 00
Payment from inmates	.....
Subscriptions and donations	$196 25
From all other sources	6,899 49
Total	$8,228 57

Expenditures.

Foods of all kinds	$1,542 52
Clothing, furniture and furnishings	277 56
Fuel, light and cleaning	1,514 72
Salaries and wages	3,245 49
Repairs, ordinary	334 24
Taxes and insurance	201 73
Other expenses	1,033 22
Total	$8,149 48
Government aid for 1909	$770 13

THE REFUGE OF OUR LADY OF CHARITY, OTTAWA.

The following summaries show the operations of this Refuge during the year:

Movements of Inmates.

In residence, 1st October, 1908	165
Admitted	173
Total number of inmates	338
Discharged	133
Died	1
In residence, 30th September, 1909	204
	338

Places admitted from.

City of Ottawa	260
County of Carleton	48
Other counties in Ontario	30
	338

Sex.

Female	338
	338

Receipts.

From the Dominion Government	.....
From the Government of Ontario	$4,008 74
From the City of Ottawa	.....
County of Carleton	50 00
From payments made by inmates	755 00
Subscriptions, donations, etc.	1,825 75
Other sources	7,115 00
Total	$13,754 49

Expenditures.

Food of all kinds	$5,411 33
Clothing and furnishings	1,624 30
Fuel, light, cleaning, etc.	2,412 00
Salaries and wages	1,120 00
Repairs	1,560 00
Live stock and farm grounds	337 00
Taxes and insurance	800 00
Other expenses	662 20
Total	$13,926 83
Government aid for 1909	$4,157 45

HOME FOR INCURABLES, OTTAWA.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	17
Admitted	14
Total number of inmates	31
Discharged	2
Died	8
In residence, 30th September, 1909	21
	31

HOME FOR INCURABLES, OTTAWA.—*Continued.*

Places admitted from.

City of Ottawa	28
County of Carleton	2
Province of Quebec	1
	31

Sex.

Male	8
Female	23
	31

Receipts.

From the Government of Ontario	$490 07
From the County of Carleton	.....
From the City of Ottawa	1,500 00
From payments made by inmates	936 60
Subscriptions, donations, etc.	3,156 48
Other sources	.....
Total	$6,083 15

Expenditures.

Food of all kinds	$1,233 26
Clothing, furniture and furnishings	126 87
Fuel, light and cleaning	806 49
Salaries and wages	1,773 50
Repairs, ordinary	329 36
Taxes and insurance	129 76
Other expenses	467 25
Total	$4,866 49
Government aid for 1909	488 60

HOUSE OF PROVIDENCE, GUELPH.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	62
Admitted	41
Total number of inmates	103
Discharged	33
Died	7
In residence, 30th September, 1909	63
	103

Places admitted from.

From the City of Guelph	39
From the County of Wellington	36
Other counties in Ontario	28
Foreigners, etc.	....
	103

Sex.

Male	62
Female	41
	103

Receipts.

Province of Ontario	$1,613 56
County of Wellington	200 00
From inmates	1,876 05
Income from property	.....
Subscriptions, donations and bequests	570 50
From other sources	541 30
Total	$4,801 41

Expenditures.

Food of all kinds	$2,086 29
Clothing and furnishings	433 75
Fuel, light and cleaning	989 25
Salaries and wages	400 00
Ordinary repairs	175 16
Live stock and farm grounds	500 50
Other expenses	284 25
Total	$4,869 20
Government aid for 1909	$1,662 50

THE ELLIOTT HOME, GUELPH.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	20
Admitted	10
Total number of inmates	30
Discharged	6
Died	1
In residence, 30th September, 1909	23
	30

THE ELLIOTT HOME, GUELPH.—*Continued.*

Places admitted from.

City of Guelph	21
County of Wellington	9
Other counties in Ontario	....
	30

Sex.

Male	13
Female	17
	30

Receipts.

From the Province of Ontario	$438 06
From the City of Guelph	.....
From the County of Wellington	.....
Payments from inmates	4,153 73
Subscriptions and donations	.....
From other sources	.....
Total	$4,591 79

Expenditures.

Food of all kinds	$1,806 68
Clothing, furniture and furnishings	154 23
Fuel, gas, etc.	812 25
Salaries and wages	1,237 87
Repairs, ordinary	48 44
Other expenses	248 71
Total	$4,308 18
Government aid for 1909	$558 11

THE THOMAS WILLIAMS' HOME, ST. THOMAS.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	19
Admitted	5
Total number of inmates	24
Discharged	8
Died	2
In residence, 30th September, 1909	14
	24

Places admitted from.

City of St. Thomas	24
	24

Sex.

Male	14
Female	10
	24

Receipts.

From the Province of Ontario	$477 75
From the City of St. Thomas	.....
From payments by inmates	112 00
From other sources, subscriptions, etc.	1 00
Income from property	2,377 83
From other sources	10 00
Total	$2,978 58

Expenditures.

Food of all kinds	$949 88
Clothing and furnishings	117 30
Fuel, light, cleaning, etc.	340 95
Salaries and wages	581 75
Repairs, ordinary	99 69
Other expenses	231 34
Total	$2,320 91
Government aid for 1909	$468 86

HOUSE OF PROVIDENCE, DUNDAS.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	137
Admitted	67
Total number of inmates	204
Discharged	58
Died	12
In residence, 30th September, 1909	134
	204

Hospital for Incurables, Toronto.

HOUSE OF PROVIDENCE, DUNDAS.—*Continued.*

Places admitted from.

City of Hamilton	93
County of Wentworth	47
Other counties in Ontario	63
Immigrants, foreigners, etc.	1
	204

Sex.

Male	82
Female	122
	204

Receipts.

From the Province of Ontario	$3,695 79
From the Town of Dundas	
From the County of Wentworth	400 00
From other municipalities	
From inmates	$2,300 79
Income from property	179 05
Subscriptions and donations of private individuals	2,735 20
Other sources	4,382 31
Total	$13,693 14

Expenditures.

Food of all kinds	$6,776 17
Clothing, furniture, furnishings	1,539 52
Fuel, light and cleaning	1,761 00
Salaries	760 95
Repairs, ordinary	184 86
Coffins and funerals	135 67
Other expenditures	2,448 10
Total	$13,606 27
Government aid for 1909	$3,697 61

THE HOME FOR THE FRIENDLESS, CHATHAM.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	14
Admitted	22
Total number of inmates	36
Discharged	11
Died	1
In residence, 30th September, 1909	24
	36

Places admitted from.

Town of Chatham	32
County of Kent	....
Other counties in Ontario	4
Immigrants, foreigners, etc.	....
	36

Sex.

Male	25
Female	11
	36

Receipts.

From the Province of Ontario	$433 72
From the City of Chatham	2,321 00
From inmates themselves	76 05
Subscriptions and donations of private individuals	60 79
Other sources	388 20
Total	$3,279 76

Expenditures.

Food of all kinds	$1,146 59
Clothing and furnishings	28 02
Fuel, light, cleaning, etc.	656 01
Salaries and wages	420 50
Repairs	722 42
Other expenses	226 99
Total	$3,200 53
Government aid for 1909	$537 53

THE WIDOWS' HOME, BRANTFORD.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	16
Admitted	3
Total number of inmates	19
Discharged	1
Died	3
In residence, 30th September, 1909	15
	19

THE WIDOWS' HOME, BRANTFORD.—*Continued.*

Places admitted from.

City of Brantford	19
County of Brant	....
	19

Sex.

Female	19
	19

Receipts.

From the Province of Ontario	$295 26
From inmates	113 00
Subscriptions and donations	$516 97
From other sources	52 44
Total	$977 67

Expenditures.

Food of all kinds	$408 94
Clothing and furnishings	8 55
Fuel, light, cleaning, etc.	197 47
Salaries and wages	270 05
Repairs, ordinary, etc.	104 59
Other expenses	124 17
Total	$1,113 77
Government aid for 1909	$370 23

THE HOME FOR THE FRIENDLESS, BELLEVILLE.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	6
Admitted	9
Total number of inmates	15
Discharged	8
Died	1
In residence, 30th September, 1909	6
	15

Places admitted from.

From the City of Belleville	15
	15

Sex.

Male	9
Female	6
	15

Receipts.

From the Province of Ontario	$192 71
From the City of Belleville	300 00
From inmates	.....
Subscriptions and donations	428 84
From other sources	.....
Total	$921 55

Expenditures.

Food of all kinds	$280 69
Clothing and furnishings	54 79
Fuel, light and cleaning	190 33
Salaries and wages	200 53
Repairs, ordinary	106 82
Other expenses	111 74
Total	$944 90
Government aid for 1909	$180 32

THE PROTESTANT HOME, PETERBOROUGH.

Full particulars of the operations of this Institution will be found in the annexed summaries:

In residence, 1st October, 1908	17
Admitted	10
Total number of inmates	27
Discharged	9
Died	3
In residence, 30th September, 1909	15
	27

Places admitted from.

From the City of Peterborough	15
From the County of Peterborough	12
Other counties in Ontario	....
	27

Sex.

Male	8
Female	19
	27

THE PROTESTANT HOME, PETERBOROUGH.—*Continued.*

Receipts.

From the Province of Ontario	$470 96
From the City of Peterborough	441 00
From the County of Peterborough	.....
From inmates	328 78
Income from property	980 00
Total	$2,220 74

Expenditures.

Food of all kinds	$793 23
Clothing and furnishings	90 00
Fuel, light and cleaning	266 50
Repairs, ordinary	6 95
Salaries and wages	426 50
Other expenses	559 40
Outdoor relief	.....
Total	$2,142 58
Government aid for 1909	$428 05

HOME FOR THE FRIENDLESS, WINDSOR.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	24
Admitted	21
Total number of inmates	45
Discharged	21
Died	1
In residence, 30th September, 1909	23
	45

Places admitted from.

From the City of Windsor	39
From the County of Essex	3
From Province of Quebec	2
Emigrants, foreigners, etc.	1
	45

Sex.

Male	29
Female	16
	45

Receipts.

From the Province of Ontario	$618 97
From the City of Windsor	2,800 00
From inmates	261 50
Subscriptions and donations	246 33
Other sources	108 80
Total	$4,035 60

Expenditures.

Food of all kinds	$1,254 42
Clothing and furnishings	67 90
Fuel, light and cleaning	632 61
Repairs, ordinary	60 74
Salaries and wages	593 78
Other expenses	105 40
Outside relief	1,831 99
Total	$4,546 84
Government aid for 1909	$605 01

ST. PAUL'S HOME FOR THE AGED, CORNWALL.

Full particulars of the operations of this Institution will be found in the annexed summaries:

Movements of Inmates.

In residence, 1st October, 1908	57
Admitted	66
Total number of inmates	123
Discharged	32
Died	15
In residence, 30th September, 1909	76
	123

ST. PAUL'S HOME FOR THE AGED, CORNWALL.—*Continued.*

Places admitted from.

Town of Cornwall	25
County of Stormont	30
Other counties	68
	123

Sex.

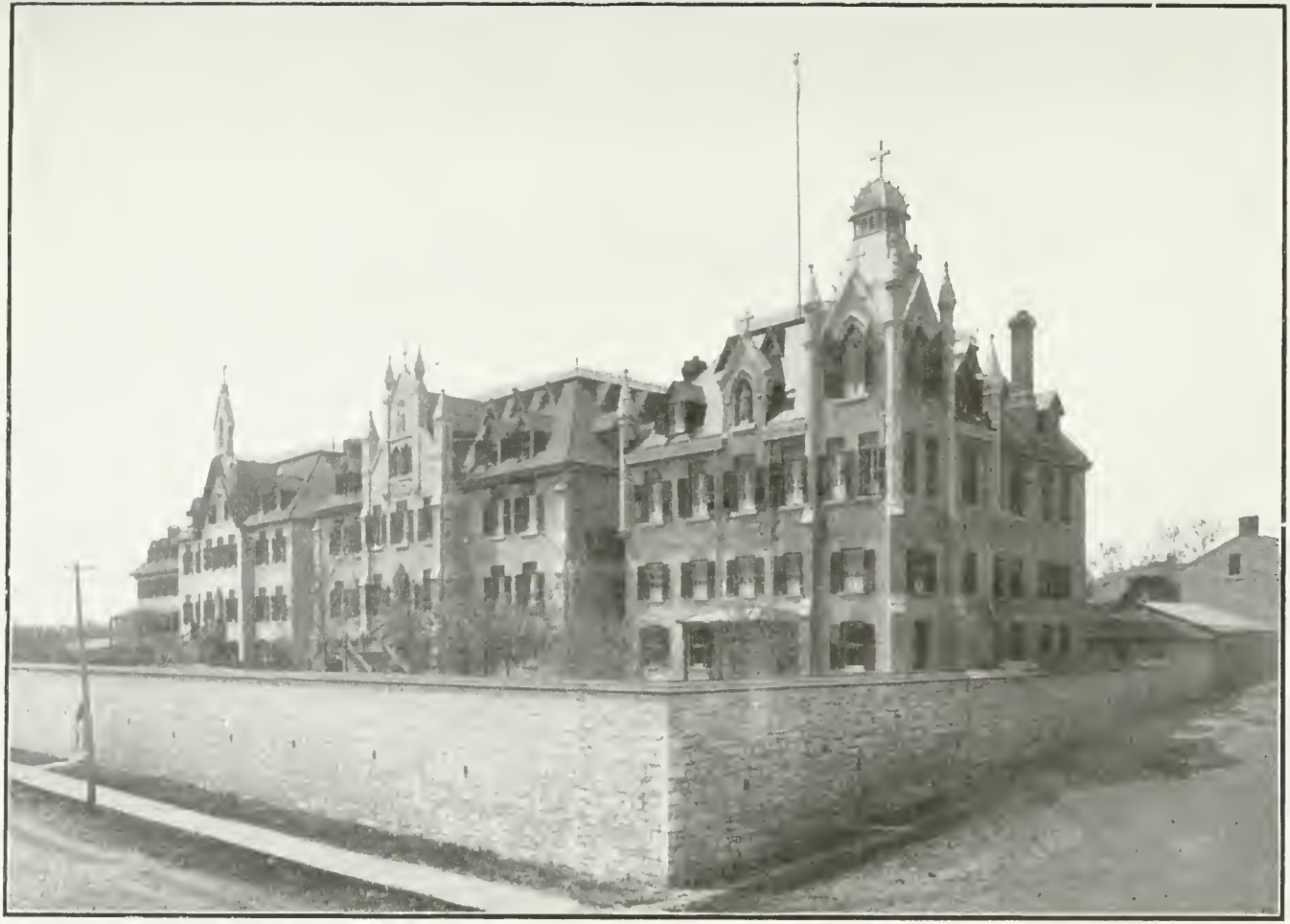
Male	71
Female	52
	123

Receipts.

From the Province of Ontario	$1,762 39
From the Township of Cornwall	200 00
From other municipalities	$694 00
From inmates themselves	200 00
From other sources, income and subscriptions	1,438 25
Donations in kind and value	201 50
Total	$4,496 14

Expenditures.

Food of all kinds	$2,966 06
Clothing and furnishings	150 75
Fuel, light, cleaning, etc.	945 15
Repairs, ordinary	83 25
Other expenses	371 99
Total	$4,517 20
Government aid for 1909	$1,932 42



House of Providence, Kingston.

ORPHAN ASYLUMS.

The statistical tables on the following pages of this report show an increase in the contributions to several of the Institutions, while in some cases there is a falling off as compared with last year.

The total number of children cared for in the Orphanages during the year was 4,734, as compared with 4,718 in 1908.

In the tables will be found full details of the receiving and discharging of children, etc.

The statistics relating to the sex and previous residence of the inmates are given in the following summary:

Sex

Male	2,543
Female	2,191
	4,734

Previous Residence.

Received from cities in which Orphanages are located	3,611
Received from counties in which Orphanages are located	577
Received from other counties in the Province	451
Immigrants and foreigners and unknown	95
	4,734

TABLE 1.—Schedule C.—Orphanages.

Name of Orphanage.	Location.	No. in residence 1st October, 1908.	No. admitted during the year ending 30th Sept., 1909.	Total number maintained during the year.	No. discharged during the year.	No. of deaths during the year.	No. remaining in residence on 30th Sept., 1909.
Roman Catholic Orphan Asylum	Toronto	186	259	445	303	.....	142
Protestant Orphans' Home	"	206	61	267	113	.....	154
Girls' Home	"	84	62	146	72	.....	74
Boys' Home	"	108	117	225	108	.....	117
The Working Boys' Home	"	32	150	182	145	.....	37
Infants' Home	"	60	132	192	84	51	57
St. Nicholas' Home	"	56	65	121	66	.....	55
S. A. Children's Shelter	"	23	31	54	39	.....	15
Home for Incurable Children	"	25	5	30	4	1	25
St. Mary's Orphan Asylum	Hamilton	103	46	149	54	1	94
Protestant Orphan Asylum	"	4	4	8	1	.....	7
Boys' Home	"	60	28	88	28	1	59
Girls' Home	"	52	27	79	41	.....	38
Home for the Friendless	"	40	81	121	77	13	31
Salvation Army Rescue Home	"	41	93	134	107	6	21
Orphans' Home	Kingston	63	36	99	19	.....	80
House of Providence Orphanage	"	47	67	114	66	.....	48
Hotel Dieu Orphanage	"	28	61	89	59	.....	30
Orphans' Home	Ottawa	47	68	115	72	.....	43
St. Patrick's Orphan Asylum	"	87	20	107	41	.....	66
St. Joseph's Orphan Asylum	"	211	189	400	184	.....	216
S. A. Rescue Home and Children's Shelter	"	53	209	262	208	13	41
Roman Catholic Orphans' Home	London	78	91	169	71	15	83
Protestant Orphans' Home	"	35	59	94	48	1	45
Women's Refuge and Infants' Home	"	26	42	68	44	8	16
S. A. Rescue Home and Children's Shelter	"	42	97	139	85	19	35
Protestant Home, Orphanage Branch	St. Catharines	24	25	49	23	1	25
St. Agatha Orphan Asylum	St. Agatha	65	19	84	28	.....	56
Orphans' Home	Fort William	45	88	133	63	1	69
Berlin Orphanage	Berlin	32	58	90	56	.....	34
Loyal True Blue Orphanage	Pieton	68	22	90	34	.....	56
St Vincent's Infants' Home	Toronto	78	313	391	183	103	105
Totals for 1909		2,109	2,625	4,734	2,526	234	1,974
Totals for 1908		2,066	2,652	4,718	2,383	167	2,168

TABLE II.—Schedule C.—Orphanages.

Name of Orphanage.	Location.	Aggregate stay of inmates.	Total expenditure on maintenance account for the year ending 30th September, 1909.	Average cost per inmate per day.
			$ c.	c.
Roman Catholic Orphans' Asylum	Toronto	71,440	20,068 75	28.09
Protestant Orphans' Home	"	68,893	12,153 16	17.64
Girls' Home	"	27,298	7,226 58	26.48
Boys' Home	"	41,409	8,616 95	20.80
The Working Boys' Home	"	14,190	6,687 43	47.13
Infants' Home	"	27,896	9,407 89	33.72
St. Nicholas' Home	"	21,900	6,175 13	28.19
S. A. Children's Shelter	"	6,487	1,717 68	26.48
Home for Incurable Children	"	9,275	6,945 76	74.88
St. Mary's Orphan Asylum	Hamilton	34,618	8,257 10	23.85
Protestant Orphan Asylum	"	2,087	*.....	.....
Boys' Home	"	24,313	5,286 28	21.74
Girls' Home	"	16,843	3,380 78	20.07
Home for the Friendless	"	14,422	4,309 69	29.88
S. A. Rescue Home	"	10,594	3,133 87	29.58
Orphans' Home	Kingston	25,611	4,565 28	17.83
House of Providence Orphanage	"	21,596	*.....	.....
Hotel Dieu Orphanage	"	13,418	1,384 32	10 31
Orphans' Home	Ottawa	17,213	†8,190 49	47.58
St. Patrick's Orphan Asylum	"	27,632	*.....	.....
St. Joseph's Orphan Asylum	"	81,596	14,587 12	17.87
S. A. Rescue Home and Children's Shelter	"	20,836	4,549 43	21.83
Roman Catholic Orphans' Home	London	27,447	*.....	.....
Protestant Orphans' Home	"	15,494	4,560 20	29.43
Women's Refuge and Infants' Home	"	7,621	1,400 78	18.38
S. A. Rescue Home and Children's Shelter	"	15,511	3,220 66	20.76
Protestant Home, Orphanage Branch	St. Catharines	10,519	2,839 70	26.99
St. Agatha Orphans' Home	St. Agatha	23,782	5,696 05	23.95
Orphans' Home	Fort William	20,682	4,438 57	21.46
Berlin Orphanage	Berlin	10,867	1,147 85	10.56
Loyal True Blue Orphanage	Picton	23,171	4,969 60	21.44
St. Vincent's Infants' Home	Toronto	40,752	*.....	.....
Totals for 1909		795,413	164,917 10	22.85
Totals for 1908		757,084	157,592 01	25.40

*Included in the Refuge Branch. †Including the expenditure of the Refuge Branch.

TABLE III.—Schedule C.—Orphanages.

Name of Orphanage.	Location.	Collective days' stay upon which computation of Orphanage rate is based.	Collective days' stay upon which computation of Refuge rate is based	Amount received from all sources other than Government.	Computation at two (2) cents per day.	Computation at 7 cents per day, being Refuge rate for adults.	Total Government grant for the year 1909.
Roman Catholic Orphan Asylum	Toronto	71,440		$17,599 57	$1,428 80		$1,428 80
Protestant Orphans' Home	"	68,893		10,727 14	1,377 86		1,377 86
Girls' Home	"	27,298		6,615 48	545 96		545 96
Boys' Home	"	41,409		7,849 06	828 18		828 18
The Working Boys' Home	"	14,190		6,969 63	283 80		283 80
Infants' Home	"	19,883	8,013	7,788 92	397 66	$560 91	958 57
St. Nicholas' Home	"	21,900		5,887 05	438 00		438 00
S. A. Children's Shelter	"	6,487		1,541 74	129 74		129 74
Home for Incurable Children	"	9,275		6,824 61	185 50		185 50
St. Mary's Orphan Asylum	Hamilton	34,618		7,615 70	692 36		692 36
Protestant Orphan Asylum	"	2,087		*	41 74		41 74
Boys' Home	"	24,313		4,719 80	486 26		486 16
Girls' Home	"	16,843		3,125 76	336 86		336 86
Home for the Friendless	"	11,127	3,295	3,485 62	222 54	230 65	453 19
S. A. Rescue Home	"	6,328	4,266	2,576 66	126 56	298 62	425 18
Orphans' Home	Kingston	25,611		3,807 80	512 22		512 22
House of Providence Orphanage	"	21,596		*	431 92		431 92
Hotel Dieu Orphanage	"	13,418		1,185 18	268 36		268 36
Orphans' Home	Ottawa	17,213		6,020 54	344 26		344 26
St. Patrick's Orphan Asylum	"	27,632		*	552 64		552 64
St. Joseph's Orphan Asylum	"	81,596		12,923 46	1,631 92		1,631 92
S. A. Rescue Home and Children's Shelter	"	13,330	7,506	3,251 05	266 60	525 42	792 02
Roman Catholic Orphans' Home	London	27,447		*	548 94		548 94
Protestant Orphans' Home	"	15,494		4,557 78	309 88		309 88
Women's Refuge and Infants' Home	"	7,621		12,221 75	152 42		152 42
S. A. Rescue Home and Children's Shelter	"	7,489	8,022	2,577 83	149 78	561 54	711 32
Protestant Home, Orphanage Branch	St. Catharines	10,519		2,754 95	210 38		210 38
St. Agatha Orphan Asylum	St. Agatha	23,782		5,652 73	475 64		475 64
Orphans' Home	Fort William	20,682		4,273 75	413 64		413 64
Berlin Orphanage	Berlin	10,867		2,400 09	217 34		217 34
Loyal True Blue Orphanage	Picton	23,171		4,494 49	463 42		463 42
St. Vincent's Infants' Home	Toronto	40,752		*	815 04		815 04
Totals for 1909		764,311	31,102	159,448 14	15,286 22	2,177 14	17,463 26
Totals for 1908		757,084	32,091	141,807 58	15,141 68	2,246 37	17,388 05

*Included with the Refuge Branch.

SEPARATE REPORTS

ROMAN CATHOLIC ORPHAN ASYLUM, TORONTO.

The following summaries show the operations of this Orphanage during the year:

Movements of Inmates.

In residence, 1st October, 1908.....	186
Admitted	259
Total number of inmates.....	445
Discharged	303
Died	....
In residence, 30th September, 1909	142
	445

Sex.

Male	214
Female	231
	445

Places admitted from.

City of Toronto	414
County of York	2
Other parts of Ontario	28
Immigrants, foreigners, etc.	1
	445

The receipts of the Institution during the year, including the Government grant of $2.282.62, were $19,882.19, and the expenditures were $20,068.75.

Government aid for the year 1909. $1,428.80.

PROTESTANT ORPHANS' HOME, TORONTO.

The following summaries show the operations of this Institution during the past year:

Movements of Inmates.

In residence, 1st October, 1908.....	206
Admitted	61
Total number of inmates.....	267
Discharged	113
Died	....
In residence, 30th September, 1909	154
	267

Sex.

Male	139
Female	128
	267

Places admitted from.

City of Toronto	265
Immigrants, foreigners, etc.	2
	267

The receipts of the Institution during the year, including the Government grant of $1,548.74, were $12,275.85, and the expenditures were $12,153.16.

Government aid for the year 1909, $1,377.86.

GIRLS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908.....	84
Admitted	62
Total number of inmates	146
Discharged	72
Died	....
In residence, 30th September, 1909	74
	146

Places admitted from.

City of Toronto	146
County of York	....
	146

The receipts of the Institution during the year, including the Government grant of $700.00, amounted to $7,315.48, and the expenditure $7,226.58.

Government aid for 1909, $545.96.

BOYS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908....	108
Admitted	117
Total number of inmates.....	225
Discharged	108
Died	....
In residence, 30th September, 1909	117
	225

Places admitted from.

City of Toronto	178
County of York	19
Counties of Ontario	7
Immigrants, foreigners, etc.	21
	225

The receipts of the Home during the year, including the Government grant of $828.50, amounted to $8,677.56, and the expenditures were $8,616.95.

Governemnt aid for the year 1909, $828.18.

THE WORKING BOYS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	32
Admitted	150
Total number of inmates	182
Discharged	145
In residence, 30th September, 1909	37
	182

Sex.

Male	182
	182

Places admitted from.

City of Toronto	182
	182

The receipts of the Home during the year, including the Government grant of $299.68, amounted to $6,969.63, and the expenditures were $6,687.43.

Government aid for the year 1909, $283.80.

THE INFANTS' HOME AND INFIRMARY, TORONTO.

The following summaries show the operations of this House during the year:

Movements of Inmates.

In residence, 1st October, 1908	60
Admitted	132
Total number of inmates	192
Discharged	84
Died	51
In residence, 30th September, 1909	57
	192

Sex.

Male (97 infants)	109
Female (82 infants)	83
	192

Places admitted from.

City of Toronto	186
Other cities and counties	6
	192

The receipts of the Home during the year, including the Government grant of $1,609.81, were $9,398.73, and the expenditures were $9,407.89.

Government aid for the year 1909, $958.57.

County of Kent House of Refuge.

ST. NICHOLAS' HOME, TORONTO.

The following summaries show the operations of this Home during the past year:

Movements of Inmates.

In residence, 1st October, 1908	56
Admitted	65
Total number	121
Discharged	66
Died	....
In residence, 30th September, 1909	55
	121

Sex.

Male	121
	121

Places admitted from.

City of Toronto	112
Aliens	9
	121

The receipts of the Home during the year, including the Government grant of $391.76, were $6,278.81, and the expenditure was $6,175.13.

Government aid for 1909, $438.00.

SALVATION ARMY, CHILDREN'S SHELTER, TORONTO.

The following summaries show the operations of this Shelter during the year:

Movements of Inmates.

In residence, 1st October, 1908	23
Admitted	31
Total number of inmates	54
Discharged	39
Died	....
In residence, 30th September, 1909	15
	54

Sex.

Male	16
Female	38
	54

Places admitted from.

City of Toronto	21
County of York	16
Aliens	17
	54

The revenue of the Shelter during the year, including the Government grant of $162.58, amounted to $1,704.32, and the expenditure to $1,717.68.

Government aid for 1909, $129.74.

HOME FOR INCURABLE CHILDREN, TORONTO.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	25
Admitted	5
Total number of inmates	30
Discharged	4
Died	1
In residence, 30th September, 1909	25
	30

Sex.

Male	16
Female	14
	30

Places admitted from.

City of Toronto	9
County of York	....
Other counties in the Province..	16
Emigrants, foreigners, etc.	5
	30

The revenue of the Home during the year, including the Government grant of $150.30, amounted to $6,974.91, and the expenditure to $6,945.76.

Government aid for 1909, $185.50.

ST. MARY'S ORPHAN ASYLUM, HAMILTON.

The following summaries show the operations of this Asylum during the year:

Movements of Inmates.

In residence, 1st October, 1908	103
Admitted	46
Total number of inmates	149
Discharged	54
Died	1
In residence, 30th September, 1909	94
	149

Sex.

Male	74
Female	75
	149

Places admitted from.

City of Hamilton	142
County of Wentworth	1
Other counties and countries	6
	149

Including the Government grant of $711.24, the revenue of the Asylum during the year amounted to $8,326.94, and the expenditure to $8,257.10.

Government aid for 1909, $692.36.

PROTESTANT ORPHAN ASYLUM, HAMILTON.

The following summaries show the operations of this Asylum during the year:

Movements of Inmates.

In residence, 1st October, 1908	4
Admitted	4
Total number of inmates	8
Discharged	1
Deaths	....
In residence, 30th September, 1909	7
	8

Sex.

Male	8
Female	....
	8

Places admitted from.

City of Hamilton	7
County of Wentworth	1
	8

The receipts and expenditures are included in the financial statements of the Aged Women's Home, vide Schedule "B." Refuge Report.

Government aid for 1909, $41.74.

BOYS' HOME, HAMILTON.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	60
Admitted	28
Total number of inmates	88
Discharged	28
Died	1
In residence, 30th September, 1909	59
	88

Places admitted from.

Hamilton City	88
	88

The receipts of the Home during the year, including the Government grant of $450.78, were $5,170.58, and the expenditures were $5,286.28.

Government aid for 1909, $486.16.

County of Bruce House of Refuge.

GIRLS' HOME, HAMILTON.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	52
Admitted	27
Total number of inmates	79
Discharged	41
Number of deaths	....
In residence, 30th September, 1909	38
	79

Places admitted from.

City of Hamilton	79
County of Wentworth	....
	79

The revenue of the Home during the year, including Government grant of $319.56, was $3,445.32, and the expenditure was $3,380.78.

Government aid for 1909, $336.86.

HOME FOR THE FRIENDLESS AND INFANTS' HOME, HAMILTON.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	40
Admitted	81
Total number of inmates	121
Discharged	77
Died	13
In residence, 30th September, 1909	31
	121

Sex.

Male (infants).....	52
Female "	69
	121

Places admitted from.

City of Hamilton	93
County of Wentworth	11
Other places and counties	17
	121

The revenue of the Home, including Government grant of $451.93, was $3,937.55, and the expenditure $4,309.69.

Government aid for 1909, $453.19.

SALVATION ARMY RESCUE HOME, HAMILTON.

The following summaries show the operations of this Asylum during the year:

Movements of Inmates.

In residence, 1st October, 1908	41
Admitted	93
Total number of inmates	134
Discharged	107
Died	6
In residence, 30th September, 1909	21
	134

Sex.

Male	27
Female	107
	134

Places admitted from.

City of Hamilton	111
County of Wentworth	15
Other counties and countries	8
	134

The revenue of this Asylum for the year, including the Government grant of $556.80, amounted to $3,133.47, and the expenditure to $3,133.87.

Government aid for 1909, $425.18.

ORPHANS' HOME, KINGSTON.

The following summaries show the operations of this Institution during the year:

Movements of Inmates.

In residence, 1st October, 1908....	63
Admitted	36
Total	99
Discharged	19
Died	....
In residence, 30th September, 1909	80
	99

Sex.

Male	50
Female	49
	99

Places admitted from.

City of Kingston	76
County of Frontenac	11
Other counties in Ontario	7
Immigrants, foreigners, etc.	5
	99

The revenue of the Home during the year, including the Government grant of $414.02, was $4,221.82, and the expenditure was $4,565.28.

Government aid for 1909, $512.22.

ORPHANAGE OF THE HOUSE OF PROVIDENCE, KINGSTON.

The following summaries show the operations of this Orphanage during the year:

Movements of Patients.

In residence, 1st October, 1908....	47
Admitted	67
Total number of inmates.....	114
Discharged	66
Died	....
In residence, 30th September, 1909	48
	114

Sex.

Male	112
Female	2
	114

Places admitted from.

City of Kingston	31
County of Frontenac	16
Other counties and countries	67
	114

The revenue and expenditures of this Orphanage are included with those of the House of Providence, and cannot be shown separately.

Government aid for 1909, $431.92.

HOTEL DIEU ORPHAN ASYLUM, KINGSTON.

The following summaries show the operations of this House during the year:

Movements of Inmates.

In residence, 1st October, 1908....	28
Admitted	61
Total number of inmates	89
Discharged	59
Died	....
In residence, 30th September, 1909	30
	89

Sex

Male	....
Female	89
	89

Places admitted from.

City of Kingston	51
County of Frontenac	13
Other counties in Ontario	16
Immigrants, foreigners, etc.	9
	89

The income of the Asylum during the year, including the Government grant of $250.04, amounted to $1,435.22, and the expenditure to $1,384.32.

Government aid for 1909, $268.36.

County of Peterborough House of Refuge.

ORPHANS' HOME, OTTAWA.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908....	47
Admitted	68
Total number of inmates	115
Discharged	72
Died	....
In residence, 30th September, 1909	43
	115

Sex.

Male	59
Female	56
	115

Places admitted from.

City of Ottawa	103
County of Carleton	12
Other counties	....
	115

The revenue of the Home, including Government grant of $909.38, was $6,929.92, and the expenditures were, Refuge Branch included, $8,190.49.

Government aid for 1909, $344.26.

ST. PATRICK'S ORPHAN ASYLUM, OTTAWA.

The following summaries show the operations of this Asylum during the year:

Movements of Inmates.

In residence, 1st October, 1908	87
Admitted	20
Total number of inmates	107
Discharged	41
Died	....
In residence, 30th September, 1909	66
	107

Sex.

Male	60
Female	47
	107

Places admitted from.

City of Ottawa	98
County of Carleton	....
Other parts of the Province	7
Other countries	2
	107

The receipts and expenditures of this Institution are included in the financial statements of the Refuge Department; *vide* Schedule B. Refuge Report.

Government aid for 1909, $552.64.

ST. JOSEPH'S ORPHAN ASYLUM, OTTAWA.

The following summaries show the operations of this Charity during the year:

Movements of Inmates.

In residence, 1st October, 1908	211
Admitted	189
Total number of inmates	400
Discharged	184
Died	....
In residence, 30th September, 1909	216
	400

Sex.

Male	183
Female	217
	400

Places admitted from.

City of Ottawa	216
County of Carleton	184
Other counties in Ontario	....
	400

The receipts of the Institution, including Government grant of $1,597.16, were $14,520.62, and the expenditures, $14,587.12.

Government aid for 1909, $1,631.92.

S. A. RESCUE HOME AND CHILDREN'S SHELTER, OTTAWA.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	53
Admitted during the year	209
Total number of inmates	262
Discharged	208
Died	13
In residence, 30th September, 1909	41
	262

Sex.

Male	72
Female	190
	262

Places admitted from.

City of Ottawa	201
From Quebec	47
Other counties	....
Immigrants, foreigners, etc.	14
	262

The revenue of the Home, including Government grant of $1,251.72, was $4,502.77, and the expenditures were $4,549.43.

Government aid for 1909, $792.02.

ROMAN CATHOLIC ORPHANS' HOME, LONDON.

The following summaries show the operations of this Orphanage during the year:

Movements of Inmates.

In residence, 1st October, 1908	78
Admitted	91
Total number of inmates	169
Discharged	71
Died	15
In residence, 30th September, 1909	83
	169

Sex.

Male	75
Female	94
	169

Places admitted from.

City of London	57
County of Middlesex	14
Other parts of the Province	98
	169

The receipts and expenditures are included in the financial statement of R. C. House of Refuge: vide Schedule B. Refuge Report.

Government aid for 1909, $548.94.

PROTESTANT ORPHANS' HOME, LONDON.

The following summaries show the operations of this Orphanage during the year:

Movements of Inmates.

In residence, 1st October, 1908....	35
Admitted	59
Total number of inmates	94
Discharged	48
Died	1
In residence, 30th September, 1909	45
	94

Sex.

Male	61
Female	33
	94

Places admitted from.

City of London	94
	94

The revenue of the Home, including the Government grant of $267.94, was $4,915.72, and the expenditures were $4,560.20.

Government aid for 1909, $309.88.

WOMEN'S REFUGE AND INFANTS' HOME, LONDON.

The following summaries show the operations of this Charity during the year:

Movements of Inmates.

In residence, 1st October, 1908	26
Admitted	42
Total number of inmates	68
Discharged	44
Died	8
In residence, 30th September, 1909	16
	68

Sex.

Male	27
Female	41
	68

Places admitted from.

City of London	56
County of Middlesex	6
Other counties	6
	68

The receipts during the year, including the Government grant of $147.86, were $1,369.61 and the expenditures $1,400.78.

Government aid for 1909, $152.42.

S. A. RESCUE HOME AND CHILDREN'S SHELTER, LONDON.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	42
Admitted	97
Total number of inmates	139
Discharged	85
Died	19
In residence, 30th September, 1909	35
	139

Sex.

Male	97
Female	42
	139

Places admitted from.

City of London	81
Middlesex and other counties	21
Immigrants, foreigners, etc.	37
	139

The revenue of the Home, including Government grant of $646.88, was $3,224.71, and the expenditure $3,220.66. Government aid for 1909, $711.32.

PROTESTANT HOME (ORPHANAGE BRANCH), ST. CATHARINES.

The following summaries show the operations of this Charity during the year:

Movements of Inmates.

In residence, 1st October, 1908	24
Admitted	25
Total number of inmates	49
Discharged	23
Died	1
In residence, 30th September, 1909	25
	49

Sex.

Male	31
Female	18
	49

Places admitted from.

City of St. Catharines	34
County of Lincoln	9
Other counties	4
Aliens	2
	49

The revenue of the Home during the year, including the Government grant of $209.26, amounted to $2,964.21, and the expenditure $2,839.70.

Government aid for 1909, $210.38.

ST. AGATHA ORPHAN ASYLUM, ST. AGATHA.

The following summaries show the operations of this Asylum during the year:

Movements of Inmates.		*Sex.*	
In residence, 1st October, 1908	65	Male	43
Admitted	18	Female	41
Total number of inmates	84		84
		Places admitted from.	
Discharged	28	County of Waterloo	74
Died	....	Other counties	10
In residence, 30th September, 1909	56	Aliens	....
	84		84

The revenue of the Asylum was $6,061.13, including the Government grant of $408.40, and the expenditure $5,696.05.

Government aid for 1909, $475.64.

ORPHANS' HOME, FORT WILLIAM.

The following summaries show the operations of this Charity during the year:

Movements of Inmates.		*Sex.*	
In residence, 1st October, 1908	45	Male	70
Admitted	88	Female	63
Total number of inmates	133		133
		Places admitted from.	
Discharged	63		
Died	1	District of Thunder Bay	33
In residence, 30th September, 1909	69	From Fort William	100
	133		133

The revenue of the Home, including the Government grant of $295.00, was $4,568.75, and the expenditure $4,438.57. Government aid for 1909, $413.64.

BERLIN ORPHANAGE, BERLIN.

The following summaries show the operations of this Orphanage during the year:

Movements of Inmates.		*Sex.*	
In residence, 1st October, 1908	32	Male	52
Admitted	58	Female	38
Total number of inmates	90		90
		Places admitted from.	
Discharged	56	Town of Berlin	24
Died	....	County of Waterloo	46
In residence, 30th September, 1909	34	Counties of Ontario	20
	90		90

The revenue of the Home, including the Government grant of $238.16, was $2,638.25, and the expenditures were $1,147.85. Government aid for 1909, $217.34.

County of Grey House of Refuge.

LOYAL TRUE BLUE ORPHANAGE, PICTON.

The following summaries show the operations of this Orphanage during the year:

Movements of Inmates.

In residence, 1st October, 1908	68
Admitted	22
Total number of inmates	90
Discharged	34
Died	....
In residence, 30th September, 1909	56
	90

Sex.

Male	56
Female	34
	90

Places admitted from.

City of Toronto	10
County of Prince Edward	12
Other counties of Ontario	58
Other Provinces	10
	90

The revenue of the Home, including the Government grant of $418.54, was $4,913.03, and the expenditures were $4,969.60. Government aid for 1909, $463.42.

ST. VINCENT'S INFANTS' HOME, TORONTO.

The following summaries show the operations of this Home during the year:

Movements of Inmates.

In residence, 1st October, 1908	78
Admitted during the year	313
Total number of inmates	391
Discharged	183
Died	103
In residence, 30th September, 1909	105
	391

Sex.

Male	224
Female	167
	391

Places admitted from.

City of Toronto	372
From County of York	7
Other counties	12
	391

The revenue and expenditures of this Home are included with those of the House of Providence, Toronto.

Government aid for 1909, $815.04.

COUNTY HOUSES OF REFUGE.

The following returns have been received from the Houses of Refuge maintained by the different counties in Ontario. These returns show the approximate value of the buildings, contents and land, also the number of acres in connection with each House of Refuge. The receipts and expenditures are also stated, together with the average number of inmates in each Refuge and the average weekly cost per inmate.

COUNTY OF BRANT.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$20,000 00
" " contents	1,800 00
" " land	3,500 00
Number of acres	61

Receipts.

From County, City and Township Treasurers	$5,879 50
From sale of products	775 29
From all other sources	....

Expenditures.

For expenses, etc.	$6,542 41
Average number of inmates	47
Average cost weekly per inmate	$2 67

This House of Refuge was visited and inspected June 29th.

COUNTY OF BRUCE.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of property	$22,000 00
" " contents	1,200 00
" " land	3,500 00
Number of acres	61

Receipts.

From County Treasurer	$3,700 21
From sale of products	182 75
From all other sources	427 90

Expenditures.

For expenses, etc.	$4,310 86
Average number of inmates	46
Average cost weekly per inmate	$1 55

This House of Refuge was visited and inspected August 28th.

COUNTY OF ELGIN.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$23,780 00
" " contents	2,500 00
" " land	9,944 00
Number of acres	100

Receipts.

From County Treasurer	$5,126 06
From sale of products	617 58
From all other sources	214 30

Expenditures.

For expenses, etc.	$6,329 13
Average number of inmates	54
Average cost weekly per inmate	$1 69

This House of Refuge was visited and inspected December 30th.

County of Huron House of Refuge.

COUNTY OF ESSEX.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$30,000 00
" " contents	4,000 00
" " land	6,000 00
Number of acres	50

Receipts.

From County Treasurer	$4,847 01
From all other sources	1,443 05

Expenditures.

For expenses, etc.	$4,847 01
Average number of inmates	38
Average cost weekly per inmate	$1 63

This House of Refuge was visited and inspected November 16th.

COUNTY OF GREY.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$16,500 00
" " contents	2,000 00
" " land	4,000 00
Number of acres	97

Receipts.

From County Treasurer	$4,000 74
From sale of products	822 95
From all other sources	190 00

Expenditures.

For expenses, etc.	$4,852 87
Average number of inmates	39
Average cost weekly per inmate	$1 90

This House of Refuge was visited and inspected June 18th.

COUNTY OF HASTINGS.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$41,500 00
" " contents	6,500 00
" " land	7,000 00
Number of acres	69

Receipts.

From County Treasurer	$6,882 44
From sale of products	479 28
From all other sources	796 35

Expenditures.

For maintenance	$6,882 44
Average number of inmates	54
Average cost weekly per inmate	$1 79

This House of Refuge was visited and inspected November 12th.

COUNTY OF HURON

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$25,000 00
" " contents	2,000 00
" " land	3,500 00
Number of acres	47½

Receipts.

From County Treasurer	$4,355 34
From sale of products	1,008 93
From all other sources (paying inmates)	763 00

Expenditures.

For expenses, etc.	$6,430 82
Average numbr of inmates	90
Average cost weekly per inmate	92¾

This House of Refuge was visited and inspected November 30th.

COUNTY OF KENT.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$20,000 00
" " contents	1,900 00
" " land	5,000 00
Number of acres	50

Receipts.

From County Treasurer	$3,398 20
From sale of products	.....
From all other sources	471 48

Expenditures.

For expenses, etc.	$3,667 46
Average number of inmates	43
Average cost weekly per inmate	$1 62

This House of Refuge was visited and inspected November 18th.

COUNTY OF LAMBTON.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$18,000 00
" " contents	3,000 00
" " land	6,000 00
Number of acres	60

County of Essex House of Refuge.

Receipts.

From County Treasurer	$6,142 19
From sale of products	330 00

Expenditures.

For maintenance	$5,908 29
Average number of inmates	52
Average weekly cost per inmate	$1 77

This House of Refuge was visited and inspected August 18th.

COUNTY OF LANARK.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$22,516 10
" " contents	4,488 42
" " land	6,500 00
Number of acres	78

Receipts.

From County Treasurer for maintenance	$7,005 48
From sale of products	977 48
From all other sources	3,418 71

Expenditures.

For maintenance	$7,005 48
On capital account	5,927 18
Average number of inmates	70
Average cost weekly per inmate	$1 66

This House of Refuge was visited and inspected September 11th.

COUNTY OF LEEDS AND GRENVILLE.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$20,000 00
" " contents	2,000 00
" " land	4,000 00
Number of acres	100

Receipts.

From County Treasurer for maintenance	$4,199 76
From sale of products	181 96
From all other sources	440 50

Expenditures.

For maintenance	$5,622 22
Average number of inmates	57
Average cost weekly per inmate	$1 69

This House of Refuge was visited and inspected July 13th.

COUNTY OF LINCOLN.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$21,000 00
" " contents	2,586 00
" " land	15,000 00
Number of acres	72

Receipts.

From County Treasurer	$3,480 19
From sale of products	1,707 33
From all other sources	700 78

Expenditures.

For expenses etc	$5,888 30
Average number of inmates	36
Average cost weekly per inmate	$1 58

This House of Refuge was visited and inspected December 14th.

COUNTY OF MIDDLESEX HOUSE OF REFUGE.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year ending December 31st.

Approximate value of buildings	$30,000 00
" " contents	5,000 00
" " land	5,000 00
Number of acres	66

Receipts.

From County Treasurer	$11,485 99
From sale of products	462 49
From all other sources	533 48

Expenditures.

For maintenance, salaries, etc.	$12,501 96
Average number of inmates	67
Average net cost weekly per inmate	$2 93

This House of Refuge was visited and inspected January 12th.

COUNTY OF NORFOLK.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$16,000 00
" " contents	2,000 00
" " land	4,000 00
Number of acres	90

Receeipts.

From County Treasurer	$3,446 74
From sale of products	198 06

Northumberland and Durham House of Refuge.

Expenditures.

For expenses, etc.	$3,856 99
Average number of inmates	53
Average cost weekly per inmate	$1 39

This House of Refuge was visited and inspected November 6th.

UNITED COUNTIES OF NORTHUMBERLAND AND DURHAM.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$48,000 00
" " contents	1,724 00
" " land	4,140 00
Number of acres	45

Receipts.

From County Treasurer for maintenance and capital account	$9,401 32
From sale of products	618 39
From all other sources	371 39

Expenditures.

For maintenance, including $3,669 98 for building improvements	$10,391 10
Average number of inmates	70
Average net cost weekly per inmate	$2 85

This House of Refuge was visited and inspected January 20th.

COUNTY OF ONTARIO.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year ending December 31st.

Approximate value of buildings	$22,000 00
" " contents	2,000 00
" " land	4,000 00
Number of acres	48

Receipts.

From County Treasurer	$5,648 35
From sale of products	440 05
From all other sources	1,372 34

Expenditures.

For expenses, etc.	$7,460 74
Average number of inmates	57
Average cost weekly per inmate	$2 13

This House of Industry was visited and inspected June 5th.

COUNTY OF OXFORD.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$31,000 00
" " contents	3,000 00
" " land	7,000 00
Number of acres	100

Receipts.

From County Treasurer	$6,355 61
From sale of products	560 86
From all other sources	97 00

Expenditures.

For expenses, etc.	$5,640 39
Average number of inmates	67
Average weekly cost per inmate	$1 61

This House of Refuge was visited and inspected December 31st.

COUNTY OF PEEL.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$12,000 00
" " contents	1,500 00
" " land	5,000 00
Number of acres	50

Receipts.

From County Treasurer	$1,769 12
From sale of products	839 70

Expenditures.

For expenses, etc.	$2,608 82
Average number of inmates	28
Average cost weekly per inmate	$1 21

This House of Refuge was visited and inspected June 23rd.

COUNTY OF PERTH.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$22,000 00
" " contents	2,000 00
" " land	3,200 00
Number of acres	53

Receipts.

From County Treasurer	$3,853 82
From sale of products	322 01
From all other sources	1,879 36

Expenditures.

For expenses, etc.	$6,055 19
Average number of inmates	63
Average cost weekly per inmate	$1 89

This House of Refuge was visited and inspected May 25th.

County of Wellington House of Refuge.

COUNTY OF PETERBOROUGH.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year.

Approximate value of buildings	$24,350 00
" " contents	2,150 00
" " land	5,500 00
Number of acres	96

Receipts.

From County Treasurer for maintenance	$6,897 34
From sale of products	441 70
From all other sources	244 51

Expenditures.

For maintenance and capital account	$6,897 34
Average number of inmates	28
Average cost weekly per inmate	$1 70

This House of Refuge was visited and inspected December 16th.

COUNTY OF PRESCOTT AND RUSSELL.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year

Approximate value of buildings	$25,000 00
" " contents	1,255 00
" " land	2,000 00
Number of acres	100

Receipts.

From County Treasurer for maintenance	$3,704 71
From sale of products	102 88
From all other sources	771 17

Expenditures.

For maintenance	$3,704 71
Average number of inmates	29
Average cost weekly per inmate	$1 94

This House of Refuge was visited and inspected July 12th.

COUNTY OF PRINCE EDWARD.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$30,000 00
" " contents	2,000 00
" " land	4,500 00
Number of acres	45

Receipts.

From County Treasurer	$2,860 16
From sale of products	399 78
From all other sources	120 20

Expenditures.

For expenses etc.	$2,347 69
Average number of inmates	23
Average cost weekly per inmate	$1 94

This House of Refuge was visited and inspected July 28th.

COUNTY OF SIMCOE.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$33,226 00
" " contents	2,400 00
" " land	7,000 00
Number of acres	100

Receipts.

From County Treasurer	$8,719 63
From sale of products	1,835 33
From all other sources	.....

Expenditures.

For expenses etc	$10,554 96
Average number of inmates	69
Average cost weekly per inmate	$2 94

This House of Refuge was visited and inspected June 19th.

COUNTY OF VICTORIA.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$34,383 00
" " contents	3,040 00
" " land	7,777 00
Number of acres	70
Value of water mains, electric lines, etc., constructed by county	$5,207 00

Reeeipts.

From tax rates	$5,279 05
From sale of products	409 84
From all other sources	814 03

Expenditures.

For expenses, maintenance, etc.	$6,502 92
Average number of inmates	60
Average weekly cost chargeable to tax rates	$2 10
Net cost weekly chargeable to county rate	1 68

This House of Industry was visited and inspected September 9th.

COUNTY OF WATERLOO.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$35,000 00
" " contents	5,000 00
" " land	15,000 00
Number of acres	100

Receipts.

From County Treasurer	$7,607 32
From sale of products	1,758 24
From all other sources	645 50

Expenditures.

For expenses, etc	$10,283 46
Average number of inmates	93
Average cost weekly per inmate	1 41
Average weekly cost adding produce consumed	$2 14

This House of Industry was visited and inspected May 20th.

COUNTY OF WELLAND.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of building	$11,600 00
" " contents	2,050 00
" " land	3,600 00
Number of acres	60

Receipts.

From County Treasurer	$2,809 06
From sale of products	575 15
From all other sources	1,335 21

Expenditures.

For expenses etc.	$4,719 42
Average number of inmates	56
Average cost weekly per inmate	96

This House of Refuge was visited and inspected November 5th.

COUNTY OF WELLINGTON.

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$35,000 00
" " contents	4,000 00
" " land	2,900 00
Number of acres	58

Receipts.

From the County Treasurer	$6,525 92
From sale of products	242 58
From all other sources	345 25

Expenditures.

For expenses, etc.	$5,582 51
Average number of inmates	70
Average cost weekly per inmate	$1 29

This House of Refuge was visited and inspected November 7th.

COUNTY OF YORK. —

Statement showing value of property, receipts, expenditures and weekly cost per inmate for the year preceding inspection.

Approximate value of buildings	$30,000 00
" " contents	5,000 00
" " land	5,000 00
Number of acres	70

Receipts.

From the County Treasurer for maintenance	$6,540 00
From sale of products	76 13
From all other sources	326 50

Expenditures.

For maintenance	$7,594 86
Average number of inmates	73
Average cost weekly per inmate	$1 54

This House of Refuge was visited and inspected February 11th.

FORTY-SECOND ANNUAL REPORT

OF THE

Inspector of Prisons and Public Charities

UPON THE

Prisons and Reformatories

OF THE

PROVINCE OF ONTARIO

BEING FOR THE YEAR ENDING 30th SEPTEMBER

1909

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1910

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Toronto, November 30th, 1909.

To His Honour JOHN MORISON GIBSON, *a Colonel in the Militia of Canada, etc., etc., etc., Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

I beg to submit herewith the Forty-second Annual Report upon the Common Gaols, being for the year ending 30th September, 1909.

I have the honour to be,

Your Honour's most obedient servant,

W. J. HANNA,

Provincial Secretary.

Toronto, November 28th, 1909

Sir,—

I have the honour to submit herewith to be presented to His Honour the Lieutenant-Governor, the Forty-second Annual Report upon the Common Gaols of the Province of Ontario, being for the official year ending 30th September, 1909.

I have the honour to be, Sir,

Your obedient servant.

R. W. Bruce Smith,

Inspector.

The Honourable W. J. Hanna, M.P.P.

Secretary of the Province of Ontario,

Toronto.

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FORTY-SECOND ANNUAL REPORT

UPON THE

Gaols and District Lock-ups of Ontario

In presenting the Forty-second Annual Report of the Gaols and Lock-ups of Ontario, I beg to submit the following statistics for the year ending September 30th, 1909.

(1) Number of Gaols in Ontario 45

Number of Provincial Lock-ups 8

(2) Total expenditure for Gaol maintenance in Ontario:

In 1908	$175,829 20
In 1909	184,576 37
Increase	$8,747 17

(3) The cash revenue from Gaol labour during 1909 was $205.05, and was earned at Cornwall, Perth and Kingston Gaols.

Average cost per day for each prisoner in the County Gaols of Ontario was:

In 1908	23 cents.
In 1909	23 cents.

(4) Number of persons committed to Gaols and Lock-ups during the past two years was:

In 1908	13,083
In 1909	13,535
Increase during the past year	452

Commitments for murder in 1908	34
Commitments for murder in 1909	21
Decrease	13
Commitments for manslaughter in 1908	10
Comitments for manslaughter in 1909	11
Increase	1

Commitments for crime against the person:

In 1908	874
In 1909	782
Decrease	92

Commitments for crime against property:

In 1908	3,546
In 1909	3,287
Decrease	259

Commitments for crime against public morals and decency:

In 1908	544
In 1909	756
Increase	212

Commitments for crime against public order and peace:

In 1908	7,187
In 1909	7,827
Increase	640

Number of insane committed to Gaols:

In 1908	266
In 1909	362
Increase	96

Prisoners sentenced to the Penitentiary during the past year show an increase of 39, as compared with the previous year, and the number transferred to the Central Prison was 71 less than in 1908.

Number of prisoners sentenced in 1908	7,804
Number of prisoners sentenced in 1909	8,161
Increase	257

The percentage of sentences to commitments was:

In 1908	59.65
In 1909	60.29

The number of prisoners sentenced to terms of one year and upwards was 31 more than during the previous year.

The number confined in penal institutions of Ontario was 16 less on September 30th, 1909, than on the same date last year.

Of those committed during the year, 5,167 were married and 8,368 were single.

Habits of life of those committed to Gaols:

In 1908, number of commitments 13,083; temperate 3,462; percentage 26.46.

In 1909, number of commitments, 13,535; temperate, 3,881; percentage, 28.67.

Less than fifteen per cent. of the prisoners committed to the Gaols during the past year could not read or write.

Number of days' stay of prisoners:

In 1908	292,177
In 1909	317,724
Showing an increase of days	25,547

Escapes and captures:

Twenty-three prisoners escaped during the year, of whom ten were re-captured.

Deaths in Gaols:

In 1908	13
In 1909	27

Inspections.

During the year visits of inspection have been made in accordance with statutory requirements to each Gaol in the Province, and quarterly returns have been made to the Department, showing in detail all expenditures for maintenance. By this method an audit is made of all expenditures.

There was an increase of 452 in the number of persons committed to the Gaols of Ontario during the year and an additional expenditure for maintenance of $8,747.17. The average cost per day for each prisoner was the same as last year namely 23 cents.

The sanitary conditions in many of the Gaols have been greatly improved and important additions to equipment have been made in several places. Several of the Gaols of Ontario have, however, such marked structural defects that it would be extremely difficult and expensive to make all the alterations that would bring about the improvements desired. The original cost of many of our Gaols was much greater than would now appear necessary. Under our present system when prisoners under sentence of a term of three months are generally removed to the Central Prison or if for a term of two years, to the Penitentiary, the necessity for large, expensively constructed stone buildings seems totally unnecessary. There are in the Gaols of Ontario 1,550 cells; about 500 of these are in city Gaols and the remainder in the county towns of the Province. For many of the latter there might, with advantage, be substituted a strong lock-up with steel cells and district Gaol farms, where the class of prisoners which now so largely predominate might be cared for. If Gaol farms were established in different parts of the Province, it would not be necessary to detain prisoners for any length of time in the present structures, where it is next to impossible to classify and separate prisoners in accordance with the rules laid down for that purpose. Under present conditions it is difficult to provide work for prisoners. Idleness is nowhere more deplorable than in Gaols. When prisoners are permitted to idle away their time day after day in the corridors the results of such associations and lack of occupation are harmful in the extreme. A Gaoler who is faithful and conscientious in the discharge of his duty will always endeavour to discourage idleness among his prisoners. Work of some kind can generally be provided. In this Province where there is such a demand for material for road-making, all prisoners, while in custody in Gaols, might profitably be kept employed and the results of their labours in contributing material for good roads would be appreciated by the public and probably little criticism made for having labour so engaged.

Indeterminate Sentence and Probation.

The records each year indicate the need in Canada for the system of indeterminate sentence and probation, which has long been advocated in these Annual Reports. The success of such systems in other countries has demonstrated the fact that reformation can be attained in a much larger proportion of cases than under the old methods where punishment and not reformation is aimed at. When an accused person is found guilty of a crime, the Court, instead of *punishing the crime,* might proceed to enquire who is the criminal, and what are his character, antecedents and circumstances; and that upon the result of that inquiry he should be dealt with in whatever way the interests of the public demand. The effect would be that some offenders who now go to prison would be committed to the guardianship and care of a probation officer and be at once placed in some employment, and others who give proof that they live by preying upon the community would be permanently deprived of the liberty which they abuse and be sentenced to prison for an indeterminate term and only released on probation when the Judge or Magistrate is satisfied that reformation has been established. The present method of dealing with chronic offenders seems both ridiculous and expensive. During the past year a man less than 57 years of age was sent to an Ontario Gaol with a record of 56 previous commitments. How much better for

that man and for the community in which he lived if, early in his unfortunate career he had been given an indefinite sentence until reformed, and kept, preferably on a Gaol farm, with plenty of outdoor exercise, where his physical constitution might have been given every opportunity to improve!

The indeterminate sentence leaves the time limit of a sentence to be tentatively determined later on—after the offender has been carefully studied and analyzed by a competent tribunal. The scheme embodies as one of its basic principles that the individual offender, and not the crime, shall finally determine the length of confinement or detention that is necessary to reform him, and to secure the greatest protection to society. This means a careful analysis of his physical, mental and moral status in order to determine how long it is necessary for him to remain in prison, rather than the measuring out of so much punishment for a given amount of crime. The indeterminate sentence seeks to regenerate the criminal and re-adjust him to the requirements of society's laws and customs so that he may be safely released on probation. It affirms that the crime shall not be considered except for the purpose of determining the culprit's natural depravity. Emphasis is placed upon the saving qualities of the individual—the man, or what there is left of him. The scientific application of the principles of the Indeterminate Sentence means or implies that the offender shall some day be released on probation or parole, and that such tentative release shall come to him gradually and only after he has given reasonable evidence of his desire and purpose to live honestly and obey the law. It means that his treatment in prison shall tend to break down and eradicate the vicious and criminal traits of his character and build up and strengthen the best elements of his nature. The principles involved in the Indeterminate Sentence and the probation or parole system are one and the same, and are inseparable. Both are in harmony with the spirit of Divine law and embody the highest possible degree of human justice and humanity in dealing with the criminal class.

Reformation should always be the point of view, and not punishment. Every person who commits a crime is not necessarily a criminal. Any law which makes retaliation and vengeance its end and regards punishment as synonymous with justice is wrong in conception and in practice. Any reformatory system without the indeterminate sentence is impossible. Experience has taught us that hitherto our methods in this country have failed on account of not having the system which other countries have demonstrated the success of and would not now be without.

The Indeterminate Sentence, while it encourages a first offender to reform, protects society by preventing the discharge of the habitual offender who has flouted evey warning, despised all advice and failed to take advantage of every offer of help. Liberty to such a prisoner is only detrimental to himself. The great absurdity of continually committing this class to Gaol, Prison or Reformatory for stated periods is most manifest. These short sentences only serve as periods for recuperation and they return to their old haunts, eager and ready for another debauch. There is in the system of indeterminate or indefinite sentences a rational method of dealing with this class which includes both men and women. They should be treated leniently and compassionately for their first offences and given by probation every opportunity and help to reform, but when they show a determination to defy the law let them be sentenced for indefinite periods. If these

chronic offenders were brought face to face with the certainty that their conduct would, if persisted in, condemn them to long detention in prison, they would realize that their future liberty depended upon themselves and the younger ones at any rate would consider their ways.

Habitual criminals require the constant care of the police and not only succeed in inflicting great injury on the community but also act as instructors to the younger and less habitual criminals. The plan which has been adopted in New South Wales, Australia, and is working with such advantage, might well be followed in Canada. There, when three times convicted, the criminal is placed on the "Habitual List," and is kept in custody until the authorities have every reason to believe that he is really desirous of living honestly. Then he is allowed out on probation when proper employment has been secured for him. He must report regularly to a Probation Officer. The criminal then becomes the arbiter of his own fate, for if he again lapses into crime he is at once returned to prison for an indefinite period.

Gaols and Lock-Ups in New Ontario.

During the past year many of the District Gaols and Provincial Lock-ups in the unorganized districts have been very much over-crowded. This has been particularly the case at Port Arthur, Sudbury, and North Bay. The Gaol at the last named place has cell accommodation for 19 men, but on occasion there have been as many as seventy prisoners reported there at one time. Such overcrowding is not only unsanitary, but extremely detrimental to discipline and proper management. Either new Gaols should be built, or, what seems better, Gaol farms should be established to which all prisoners sentenced for more than one month might be transferred and kept at work in the open air. The labour of prisoners could be utilized to assist largely in the erection of whatever building would be required, to clear and cultivate the land, to build roads and make an Industrial Farm that after the first year or two would be largely self-sustaining.

Toronto Gaol.

Nothing has been done during the year to provide the increased accommodation so long required and asked for at Toronto Gaol. Under the present deplorable conditions proper classification of prisoners is impossible. There were 4,584 prisoners committed to Toronto Gaol during the past year. The desirability of having a Gaol farm has for several years been urged upon the city but apparently there is no intention of taking any action until forced to do so. Proposals have been made to the Department that the Crown Attorney should be instructed to indict the city and thus compel action being taken to provide proper accommodation, either by erecting a large addition to the present building or to purchase a farm to which all committed for drunkenness and vagrancy might be sent. The recommendations made by the special commissioner appointed by the Government three years ago to report on the conditions prevailing at Toronto Gaol have been largely ignored. The City of Toronto has with its growth in population made extra provision for improving and enlarging many of the other local eleemosynary institutions, but notwithstanding earnest and repeated protests, the conditions at Toronto

Gaol, due to lack of proper accommodation and rendering overcrowding unavoidable, are worse than at any other city Gaol in Canada. It is so difficult to get the city to take action that nothing will probably be done until some citizen proceeds, as provided for by statute, to procure a mandatory order from the Court compelling the City of Toronto to provide suitable accommodation so that the prisoners committed to the Gaol can be properly classified and maintained in a manner likely to assist in making their custodial care helpful to their reformation.

R. W. Bruce Smith,

Inspector.

COMMON GAOLS.

The following table shows the number of prisoners committed to the Common Gaols in the Province in each year, from the 1st October, 1869, to 30th September, 1909.

Date of Commitment.		Men over 16 years of age.	Boys under 16 years of age.	Women over 16 years of age.	Girls under 16 years of age.	Total.
Commitments for the year ending 30th September,	1869	3,599	294	1,680	82	5,655
" "	1870	4,215	319	1,737	108	6,379
" "	1871	4,586	329	1,642	58	6,615
" "	1872	5,006	281	1,615	56	6,958
" "	1873	5,745	323	1,735	74	7,877
" "	1874	7,298	377	1,746	67	9,488
" "	1875	8,048	389	1,566	70	10,073
" "	1876	9,005	434	1,727	70	11,236
" "	1877	11,653	542	1,824	62	13,481
" "	1878	9,537	480	1,959	54	12,030
" "	1879	8,995	416	1,756	53	11,220
" "	1880	8,229	549	1,863	59	11,300
" "	1881	7,007	468	1,681	73	9,229
" "	1882	7,286	522	1,750	62	9,620
" "	1883	7,858	423	1,551	48	9,880
" "	1884	9,858	458	1,719	46	12,081
" "	1885	9,419	450	1,507	50	11,426
" "	1886	8,831	352	1,424	38	10,655
" "	1887	8,996	409	1,574	38	11,017
" "	1888	10,060	551	1,778	65	12,454
" "	1889	10,349	451	1,685	46	12,531
" "	1890	9,622	461	1,677	50	11,810
" "	1891	8,469	421	1,501	32	10,423
" "	1892	7,177	446	1,335	53	9,011
" "	1893	6,798	388	1,399	34	8,619
" "	1894	7,785	278	1,350	37	9,450
" "	1895	7,912	284	1,154	30	9,380
" "	1896	7,622	265	1,147	24	9,058
" "	1897	7,533	235	1,069	47	8,884
" "	1898	6,974	284	969	29	8,256
" "	1899	6,846	267	1,057	33	8,203
" "	1900	7,063	298	1,291	42	8,694
" "	1901	7,059	262	1,198	27	8,546
" "	1902	6,850	216	1,199	15	8,280
" "	1903	7,815	225	1,200	21	9,261
" "	1904	8,810	156	1,165	15	10,146
" "	1905	9,668	113	1,232	22	11,035
" "	1906	9,541	136	1,124	9	10,810
" "	1907	10,489	87	1,217	11	11,804
" "	1908	11,670	76	1,323	14	13,083
" "	1909	11,935	87	1,501	12	13,535

The next table shows the number of prisoners (male and female) committed to each gaol during 1908 and 1909, and the increase and decrease in the commitments of the latter year compared with the former.

Name of gaol.	Number of prisoners committed in the year ended Sept. 30th, 1908.			Number of prisoners committed in the year ended Sept. 30th, 1909.			Increase.			Decrease.		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	191	6	197	185	6	191	....	....	.....	6	....	6
Berlin	135	8	143	123	8	131	....	....	.....	12	....	12
Belleville	250	16	266	233	25	258	....	9	9	17	....	17
Brantford	371	11	382	338	23	361	....	12	12	33	....	33
Brampton	29	2	31	52	2	54	23	....	23	....	....	....
Brockville	143	4	147	147	6	153	4	2	6	....	....	....
Bracebridge	46	2	48	61	6	67	15	4	19	....	....	....
Cayuga	56	5	61	48	2	40	....	....	....	8	3	11
Cornwall	67	2	69	64	4	68	....	2	2	3	....	3
Cobourg	91	2	93	87	9	96	....	7	7	4	....	4
Chatham	150	15	165	173	12	185	23	....	23	....	3	3
Fort Frances	65	.....	65	64	7	71	....	7	7	1	....	1
Goderich	50	3	53	76	4	80	26	1	27	....	....	....
Guelph	64	3	67	77	1	78	13	.. .	13	....	2	2
Gore Bay	22	3	25	20	.....	20	....	....	.....	2	3	5
Hamilton	864	67	931	791	79	870	....	12	12	73	....	73
Kingston	135	15	150	166	10	176	31	....	31	....	5	5
Kenora	252	6	258	150	3	153	....	....	.....	102	3	105
London	667	37	704	665	57	722	....	20	20	2	....	2
Lindsay	51	5	56	40	2	42	....	....	.....	11	3	14
L'Orignal	15	.....	15	18	.....	18	3	.	3	....	....	....
Milton	140	3	143	170	.....	170	30	....	30	....	3	3
Napanee	48	.....	48	47	3	50	....	3	3	1	....	1
North Bay	238	11	249	186	15	201	....	4	4	52	....	52
Ottawa	816	134	950	778	136	914	....	2	2	38	....	38
Owen Sound	104	8	112	116	7	123	12	....	12	....	1	1
Orangeville	40	3	43	51	7	58	11	4	15	....	....	....
Perth	107	6	113	129	10	139	22	4	26	....	....	....
Picton	52	.....	52	40	2	42	....	2	2	12	....	12
Pembroke	57	1	58	75	4	79	18	3	21	....	....	...
Peterborough	215	13	228	220	16	236	5	3	8	....	....	....
Port Arthur	455	24	479	504	30	534	49	6	55	....	....	....
Parry Sound	116	8	124	103	6	109	....	....	.....	13	2	15
Simcoe	80	10	90	78	5	83	....	....	.....	2	5	7
St. Catharines	69	10	79	103	3	106	34	....	34	....	7	7
Sarnia	162	9	171	182	18	200	20	9	29	....	....	....
Stratford	170	9	179	130	4	134	....	....	.....	40	5	45
Sandwich	205	7	212	238	10	248	33	3	36	....	....	....
St. Thomas	92	6	98	93	3	96	1	....	1	....	3	3
Sault Ste. Marie	220	21	241	146	14	160	....	....	.....	74	7	81
Sudbury	480	20	500	570	25	595	90	5	95	....	....	....
Toronto	3,554	788	4,342	3,699	885	4,584	145	97	242	....	....	....
Walkerton	75	5	80	67	7	74	....	2	2	8	...	8
Woodstock	142	10	152	137	10	147	....	....	.....	5	....	5
Welland	175	3	178	142	5	147	....	2	2	33	..	33
Whitby	81	5	86	81	4	85	....	....	.....	....	1	1
Lock-ups:												
Atikokan	1	.....	1	5	1	6	4	1	5	....	....	....
Burk's Falls	24	1	25	63	4	67	39	3	42	....	....	....
Byng Inlet	5	.....	5	2	.....	2	....	....	.....	3	....	3
Cobalt	.....	.....	.....	192	12	204	192	12	204	....	....	....
French River	2	.....	2	.....	.....	.....	....	....	.....	2	....	2
Killarney	10	.....	10	18	.....	18	8	....	8	....	....	....
Mattawa	3	1	4	.....	.....	.....	....	....	.....	3	1	4
Manitowaning	12	.....	12	9	1	10	....	1	1	3	....	3
Mine Centre	.....	.....	.....	12	.....	12	12	.. ..	12	....	....	....
Sturgeon Falls	50	9	59	.....	.....	.....	....	....	.....	50	9	59
Webbwood	32	.....	32	58	.....	58	26	....	26	....	....	....
	11,746	1,337	13,083	12,022	1,513	13,535	889	242	1,131	613	66	679

The number of commitments in five-year periods for the past thirty-three years is shown in the subjoined tables divided into five classes:

1. CRIMES AGAINST THE PERSON.

Nature of crime.	1877 to 1881	1882 to 1886	1887 to 1891	1892 to 1896	1897 to 1901	1902 to 1906	1907	1908	1909
Assault, common	3,093	2,907	2,452	1,912	1,766	1,729	416	422	372
Assaults, felonious	530	716	884	626	686	883	241	213	185
Cutting and wounding, stabbing and shooting with intent	328	315	532	422	258	350	84	81	111
Rape and assault with intent	201	253	222	247	267	245	46	60	55
Murder	153	161	135	137	94	130	23	34	21
Manslaughter	47	59	81	36	42	60	19	10	11
Attempt at suicide	41	43	42	41	61	85	24	34	25
Miscellaneous	210	208	116	73	186	14	15	20	2
Total	4,603	4,662	4,464	3,494	3,360	3,496	868	874	782

2. CRIMES AGAINST PROPERTY.

Nature of crime.	1877 to 1881	1882 to 1886	1887 to 1891	1892 to 1896	1897 to 1901	1902 to 1906	1907	1908	1909
Arson and incendiarism	184	172	183	211	200	156	29	33	32
Burglary	387	292	329	379	352	279	35	70	53
Counterfeiting and passing counterfeit money	82	36	62	50	38	31	12	2	7
Destroying and injuring property	576	544	423	344	345	333	50	66	47
Embezzlement	121	138	129	68	16	28	4	5	19
Forgery	223	211	211	165	193	233	88	112	75
Fraud and obtaining money or goods under false pretences	602	592	560	595	603	627	154	174	229
Horse, cattle and sheep stealing	383	335	353	361	308	253	45	43	53
Housebreaking and robbery	385	554	766	1,115	730	723	135	216	192
Larceny	8,546	7,406	7,762	7,433	7,542	7,257	1,977	2,264	2,125
Receiving stolen goods	208	197	190	170	190	138	56	51	49
Trespass	533	885	1,459	1,550	1,327	1,928	351	510	368
Miscellaneous	265	406	302	100	885	.....	.....	.....	38
Total	12,495	11,768	12,729	12,541	12,729	11,986	2,936	3,546	3,287

3. CRIMES AGAINST PUBLIC MORALS AND DECENCY.

Nature of crime.	1877 to 1881	1882 to 1886	1887 to 1891	1892 to 1896	1897 to 1901	1902 to 1906	1907	1908	1909
Bigamy	46	49	68	70	70	106	25	26	39
Inmates and frequenters of houses of ill-fame	930	863	827	609	620	769	142	180	236
Keeping houses of ill-fame	534	529	475	400	397	443	98	130	160
Perjury	124	59	81	92	107	103	29	32	74
Seduction	6	3	67	102	146	106	18	27	29
Indecent assault and exposure	186	213	323	348	363	455	119	124	132
Miscellaneous	448	226	202	285	314	210	26	25	86
Total	2,274	1,942	2,043	1,906	2,017	2,192	457	544	756

4. OFFENCES AGAINST PUBLIC ORDER AND PEACE.

Nature of Crime.	1877 to 1881	1882 to 1886	1887 to 1891	1892 to 1896	1897 to 1901	1902 to 1906	1907	1908	1909
Abusive and obscene language...	406	312	280	268	205	172	45	34	25
Breaches of peace, breaches of by-laws, escapes from and obstructing constables	555	637	786	664	644	841	190	203	241
Carrying unlawful weapons	166	193	169	125	122	207	50	76	53
Deserting employment	103	86	21	25	53	333	15	29	15
Drunk and disorderly.....	18,521	19,293	21,545	11,806	10,217	17,624	4,774	4,753	5,065
Selling liquor without license, and selling or giving it to Indians.....	633	360	691	273	185	188	54	96	206
Threatening and seditious language.....	237	197	190	185	129	106	27	43	34
Vagrancy	12,738	9,831	10,492	10,154	9,707	7,900	1,604	1,912	2,152
Miscellaneous	989	912	1,126	1,211	563	698	74	41	36
Total.....	34,348	31,821	35,300	24,711	21,828	28,069	6,833	7,187	7,827

5. OTHER CAUSES FOR WHICH PERSONS WERE DETAINED AS PRISONERS.

Nature of Crime.	1877 to 1881	1882 to 1886	1887 to 1891	1892 to 1896	1897 to 1901	1902 to 1906	1907	1908	1909
Contempt of Court.....	722	513	630	561	386	345	57	56	63
Debtors.....	331	283	374	169	101	53	9	12	15
Detained as witnesses	95	94	141	88	74	73	17	26	13
Lunatics and persons dangerous to be at large	1,666	2,113	2,273	1,888	1,953	1,897	272	275	361
Non-payment of fines and costs..	80	.....	.....	.....	.....	.....	.....	.....	3
Want of sureties to keep the peace	646	456	281	160	138	119	37	61	202
Other offences not classified in foregoing	.....	.....	.....	.....	.....	1,292	318	502	406
Total.....	3,540	3,459	3,699	2,866	2,652	3,779	710	932	883
Total number of persons committed for the respective years ...	57,260	53,652	58,235	45,518	42,586	49,532	11,804	13,083	13,535

A table showing the number of commitments to each gaol for drunkenness during the 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908 and 1909. The figures

Name of gaol.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.
Barrie	31	35	16	28	46	34	34	19	10	21	9	24	21
Berlin	7	4	8	12	20	17	13	4	6	7	7	10	12
Belleville	45	34	51	67	39	49	34	18	24	25	19	16	12
Brantford	28	91	112	147	218	182	112	89	120	125	124	106	115
Brampton	24	8	10	24	28	30	17	.....	9	9	11	6	2
Brockville	80	36	24	31	52	58	44	44	77	86	70	43	48
Bracebridge	67	7	7	3	25	15	19	5	5	5	4	4	3
Cayuga	18	15	17	24	25	15	22	7	.....	5	6	6	9
Cornwall	3	1	4	7	29	25	14	22	27	10	24	9	11
Cobourg	26	15	6	12	28	38	22	25	11	19	18	16	12
Chatham	13	14	7	9	61	71	47	26	28	22	67	9	13
Goderich	3	4	.....	4	2	5	5	2	3	3	.....	.....	2
Guelph	32	12	22	21	10	10	4	14	9	23	17	7	9
Hamilton	368	335	373	429	401	418	251	142	148	55	36	60	56
Kingston	74	58	108	107	139	120	125	87	102	72	89	49	51
London	277	338	404	408	540	332	213	150	218	219	187	177	139
Lindsay	30	1	1	4	3	5	1	5	2	5	2	5	4
L'Orignal	3	1	.....	.....	2	.....	5	1	2	1	3	2	2
Milton	9	13	5	19	13	9	9	6	4	8	3	8	3
Napanee	6	3	8	7	4	22	23	12	9	20	8	6	5
Ottawa	205	280	286	297	276	326	204	182	105	111	157	152	165
Owen Sound	36	20	21	29	37	17	13	14	11	6	.....	8	6
Orangeville	1	3	3	1	4	2	1	2	.....	.....	.....	.....	.....
Perth	6	4	9	4	2	5	5	3	2	3	6	2	3
Picton	41	54	20	45	38	33	19	11	11	21	11	22	31
Pembroke	11	2	2	.....	4	1	.....	5	7	4	7	3	5
Peterborough	27	13	11	26	20	45	24	22	16	15	13	10	11
Port Arthur	66	30	28	16	18	12	4	3	4	1	3	5	12
Parry Sound	.....	.....	1	1	16	9	.....	2	4	5	7	2	3
Kenora	37	53	56	73	74	66	66	81	75	65	31	76	26
Simcoe	4	6	5	3	17	3	10	5	3	11	17	6	6
St. Catharines	29	21	21	28	33	24	12	9	21	17	26	23	5
Sarnia	130	72	38	64	99	108	95	27	36	69	116	57	62
Stratford	17	15	12	9	16	14	4	7	9	15	7	10	15
Sandwich	47	31	25	46	47	35	57	38	11	19	39	16	23
St. Thomas	57	30	25	29	23	20	32	12	15	19	22	13	12
Sault Ste. Marie	2	1	74	103	30	12	10	12	8	5	2	12	9
Toronto	1,707	1,705	2,116	2,098	2,096	2,085	1,783	1,444	1,207	960	918	790	569
Walkerton	.....	2	6	22	8	6	7	3	13	8	21	5	3
Woodstock	21	28	50	64	55	51	34	24	38	21	29	37	35
Welland	3	40	32	12	21	16	7	13	12	11	19	17	16
Whitby	4	.....	.....	.....	5	2	.....	1	2	1	2	.....	1
Lock-ups:													
Gore Bay	.....	.....	4	3	1	4	1	2	1	2	3	.....	.....
Little Current	7	3	2	2	14	19	22	19	9	12	9	2	6
Manitowaning	3	13	5	11	18	33	33	22	16	5	16	4	2
Mattawa	6	13	6	5	8	7	3	9	22	40	32	.....	3
Minden	.....	.....	.....	.....	1	2	.....	1	1	4	1	.....	4
Sudbury	.....	2	8	27	45	55	77	5	119	38	42	25	41
Huntsville	17	1	.....	2	1	3	.....	2	5	.....	4	4	6
Fort William	.....	36	64	59	43	47	50	51	30	30	10	24	30
Burk's Falls	.....	.....	.....	.....	3	1	.....	.....	.....	.....	2	1	.....
North Bay	.....	.....	.....	.....	28	35	16	14	15	7	10	5	.....
Massey	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	3	.....
Webbwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	7
Sturgeon Falls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fort Frances	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rainy River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blind River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bonfield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Byng Inlet	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Atikokan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Killarney	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cutler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chelmsford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chapleau	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
French River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nepigon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mine Centre	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	3,693	3,555	4,130	4,451	4,777	4,573	3,614	2,736	2,652	2,274	2,237	1,907	1,716

years 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, for 1908 and 1909 are compared, and the increase or decrease in each place is shown.

1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	Increase 1909.	Decrease 1909.
11	10	16	12	21	14	16	27	46	58	33	29	.....	10
10	7	4	4	11	15	10	17	19	9	12	15	3	.....
13	16	12	11	20	6	12	6	15	34	67	33	.....	34
85	64	88	74	82	136	162	143	153	239	178	148	.....	30
3	4	4	4	5	3	4	8	10	5	1	5	4	.....
49	45	41	58	66	55	50	50	91	86	63	40	.....	23
2	3	.....	5	5	9	8	13	7	3	9	6	.....	3
10	13	10	19	12	5	11	10	13	7	4	3	.....	1
28	21	19	12	15	18	17	14	7	7	12	32	20	.....
15	20	10	16	14	12	12	7	18	21	16	27	11	.....
13	15	18	18	11	9	8	16	16	27	28	30	2	.....
1	2	5	5	1	2	8	14	3	1	3	18	15	.....
9	3	13	4	13	4	6	12	7	6	4	5	1	.....
60	66	96	108	97	188	229	287	290	394	360	413	53	.....
50	48	31	47	40	58	62	59	54	66	64	83	19	.....
163	172	137	137	250	157	262	249	248	218	328	424	96	.....
5	6	7	8	8	8	10	10	2	6	11	8	.....	3
.....	2	2	.....	3	1	3	4	2	.....	1	1	.....	.....
4	2	4	4	4	8	12	7	11	6	6	8	2	.....
13	4	7	4	7	3	5	8	13	12	19	21	2	.....
137	135	224	293	221	267	247	338	257	338	425	380	.....	36
11	7	8	12	16	13	10	5	6	10	13	15	2	.....
1	.....	3	....	.....	.....	.....	.....	1	.....	.....	....	.....	.....
7	9	7	12	17	34	20	2	20	24	27	17	....	16
23	30	35	19	21	18	18	28	8	21	42	25	.....	17
5	.....	1	4	1	7	1	6	7	8	11	20	9	.....
11	10	6	13	9	14	23	13	24	33	22	27	5	.....
4	2	9	8	7	50	25	27	67	164	183	209	26	.....
3	5	8	4	5	25	10	35	153	68	26	25	.....	1
111	110	23	34	36	37	21	19	19	88	92	33	.....	59
16	10	11	6	12	11	15	12	13	28	50	37	.....	13
17	10	15	33	21	28	20	33	20	20	25	43	18	.....
49	61	48	45	71	57	69	67	73	69	59	80	21	.....
5	1	9	12	8	15	19	46	35	21	42	24	.....	18
20	16	27	18	31	42	29	19	32	29	38	23	.....	15
8	17	23	9	6	5	8	2	4	3	12	15	3	.....
8	7	7	21	16	79	15	38	18	32	47	23	.....	24
592	796	1,031	1,022	1,107	1,286	1,575	1,832	1,923	2,016	2,003	2,208	205	.....
1	4	4	.....	1	1	1	.....	5	8	4	4	.....	.....
32	31	21	39	36	41	31	22	17	24	34	31	.... .	3
14	19	20	24	23	24	87	32	24	23	28	21	.....	7
4	5	2	3	5	2	11	10	29	12	8	18	10	.....
.....	.....	.....	.....	1	3	3	.....	6	2	7	2	.....	5
5	4	13	38	31	43	26	19	.....	.....	.....	.....	.....	.....
4	5	7	10	12	3	6	21	.....	9	9	8	.....	1
.....	.....	.....	....	.....	.....	3	9	8	.....	.....	.....	.....	.....
.....	1	1	3	5	.....	.....	1	.....	.....	.....	.....	.....	.....
34	54	197	222	172	49	164	117	253	281	223	268	45	.....
3	4	10	11	6	....	10	13	.....	.....	.....	.....	.....	.....
20	11	49	15	25	24	50	59	.....	.....	.....	.....	.....	.....
1	.....	.....	4	1	1	4	4	3	5	2	.....	.....	2
4	.....	3	12	5	73	99	171	73	103	46	38	.....	8
6	2	10	7	1	9	8	10	.....	.....	.....	.....	.....	.....
6	2	9	17	48	17	14	16	18	56	8	.....	.....	8
.....	1	12	2	4	8	13	29	55	24	.....	.....	.....	.....
.....	.....	.....	.....	33	.....	.....	42	.....	15	15	16	1	.....
.....	.....	.....	.....	.....	.....	8	26	.....	.....	15	.....	.....	15
.....	.....	.....	.....	.....	.....	24	42	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	8	.....	10	10	16	6	.....
.....	.....	....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	....	.....	.....
.....	.....	.....	.....	.....	.....	.....	3	.....	.....	2	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
.....	....	.....	.....	.....	.....	.....	10	.....	23	.....	12	12	.....
1,707	1,892	2,377	2,522	2,674	2,987	3,590	4,157	4,216	4,774	4,753	4,990	591	354

The disposition made of the persons committed to the gaols of the Province is set forth in the table printed below:

Acquitted on being brought to trial and discharged	3,410
Discharged without trial by order of judges, magistrates and courts, including remand cases	1,004
Detained for want of securities to keep the peace	21
Detained as witnesses	10
Detained as fraudulent debtors	29
Detained as lunatics, idiots and persons unsafe to be at large	362
Died before trial	10
Detained by civil processes other than above	14
Waiting trial and otherwise detained on 30th September, 1909	118
Found guilty and sentenced	8,161
Discharged under suspended sentence	396
Total number of commitments	13,535

The places of confinement to which the convicted persons were sentenced are set forth in the following statement, and similar information is given as regards the sentenced prisoners of the previous year:

	1908.	1909.
Sentenced to Kingston Penitentiary	196	235
do to the Industrial School	27	32
do direct to Central Prison	714	717
do to the Common Gaols and subsequently transferred to the Central Prison.	117	43
do direct to the Reformatory for Females	121	136
do to Common Gaols and subsequently transferred to the Reformatory for Females	16	4
do to the Common Gaols and there detained until the expiration of sentence	6,601	6,976
Died while undergoing sentence	12	18
Total	7,804	8,161

The summaries given below shew the nature of the offence committed by the convicted persons:

1. *Crimes against the Person.*

	Total commitments for the year.	Number found guilty and sentenced.
Assault, common	372	212
Assault, felonious	185	84
Cutting and wounding, stabbing and shooting with intent	111	43
Rape, and assault with intent	55	19
Murder	21	7
Manslaughter	11	13
Attempted suicide	25	9
Miscellaneous	2	..
Total	782	387

2. *Crimes against Property.*

	Total commitments for the year.	Number found guilty and sentenced.
Arson and incendiarism	32	12
Burglary	63	32
Counterfeiting and passing counterfeit money	7	3
Destroying and injuring property	47	31
Embezzlement	19	5
Forgery	75	52
Fraud and obtaining money and goods under falce pretences	229	87

2. *Crimes against Property.*—Continued.

Horse, cattle and sheep stealing	53	35
Housebreaking and robbery	192	123
Larceny	2,125	1,261
Receiving stolen goods	49	25
Trespass	368	271
Miscellaneous	38	21
Total	3,287	1,958

3. *Crimes against Public Morals and Decency.*

Bigamy	39	25
Inmates and frequenters of houses of ill-fame	236	92
Keeping houses of ill-fame	160	98
Perjury	74	31
Seduction	29	9
Indecent assault and exposure	132	89
Miscellaneous	86	25
Total	756	369

4. *Offences against Public Order and Peace.*

Abusive and obscene language	25	21
Breaches of peace, breaches of by-laws, escapes from and obstructing constables	241	145
Carrying unlawful weapons	53	42
Deserting employment, etc.	15	4
Drunk and disorderly	5,065	3,488
Selling liquor without a license and selling or giving it to Indians	206	139
Threatening and seditious language	34	13
Vagrancy	2,152	1,348
Miscellaneous	36	17
Total	7,827	5,217
Contempt of court, lunatics, etc.	424	59
Other offences, not classified in foregoing	459	171
Grand total	13,535	8,161

The following tables shew the period of sentence passed on the convicted prisoners and the sex, social conditions, habits, etc., of the total number of prisoners committed:

Periods of Sentence.

	1908.	1909.
For periods under thirty days	2,749	2,720
For thirty days and up to sixty days, or two months, not including the last term	2,349	2,766
For sixty days, or two months	544	584
Over two months to three months	495	472
Over three months to four months	220	286
Over four months to five months	99	68
Over five months to six months	717	583
Over six months to nine months	111	119
Over nine months up to one year, inclusive	156	160
Over one year and up to two years	156	162
Over two years and up to three years in the Penitentiary	94	121
Over three years in the Penitentiary	85	83
For periods of any length in the Industrial Schools	21	29
Sentenced to death and executed	2	4

Periods of Sentence.—Continued.

	1908.	1909.
Sentenced to death and commuted to imprisonment	2	2
Sentenced to imprisonment with corporal punishment	10	2
	7,804	8,161

Sex.

Male	11,746	12,022
Female	1,337	1,513
	13,083	13,535

Social Condition.

Married	4,729	5,167
Unmarried	8,354	8,368
	13,083	13,535

Habits.

Temperate	3,462	3,881
Intemperate	9,621	9,654
	13,083	13,535

Educational Status.

Could read and write	11,230	11,915
Could neither read nor write	1,853	1,620
	13,083	13,535

Nationality.

Canadian	7,913
English	1,843
Irish	1,046
Scotch	808
United States	841
Other Countries	1,084
	13,535

Religious Denomination.

Roman Catholic	4,943
English Church	3,357
Presbyterian	1,860
Methodist	2,086
Other Denominations	1,289
	13,535

The number of prisoners confined in the various custodial institutions of the Province at the close of the past official year, and the year preceding, is exhibited in the following summary:

	1908.	1909.
In the Common Gaols	751	706
In the Central Prison, Toronto	411	399
In the Reformatory for Females and Refuge for Girls, Toronto	74	70
In the Dominion Penitentiary, Kingston	531	576
	1,767	1,751

Gaol Expenditures.

Table No. 1.

Shewing the cost of maintaining the Common Gaols during the past thirty-two years, under the heading of rations, clothing, fuel, salaries and wages and repairs.

Year.	Total number of prisoners in custody each year.	Cost of rations, clothing, fuel, etc., each year.	Cost of salaries and wages of gaol officials each year.	Cost of repairs.	Total gaol expenditure.
		$ c.	$ c.	$ c.	$ c.
1878	12,030	60,217 83	63,591 11	7,307 06	131,116 60
1879	11,229	58,856 24	63,914 40	5,583 44	122,355 08
1880	11,300	49,037 14	64,084 34	3,504 96	116,626 44
1881	9,229	45,001 05	63,502 00	3,410 12	111,915 15
1882	9,620	44,768 92	63,794 30	4,665 52	113,228 75
1883	9,880	44,783 50	64,935 96	4,706 20	114,425 66
1884	12,081	61,909 89	68,446 88	7,125 50	127,482 27
1885	11,426	54,321 35	70,344 96	5,081 55	129,747 86
1886	10,645	53,300 43	71,690 76	8,753 07	133,744 26
1887	11,017	48,650 27	71,291 58	6,146 71	126,088 56
1888	12,454	53,961 25	73,633 11	6,509 13	134,143 49
1889	12,531	55,002 89	77,677 84	3,313 20	135,983 93
1890	11,810	51,446 99	79,394 49	9,171 01	140,012 49
1891	10,423	58,110 73	79,741 59	12,183 02	150,035 34
1892	9,011	51,505 57	75,564 83	4,635 65	135,706 05
1893	8,619	49,762 40	79,639 81	8,083 50	137,485 71
1894	9,450	45,115 58	79,790 80	6,728 04	131,634 42
1895	9,380	50,591 40	79,677 17	6,304 58	136,573 15
1896	9,058	49,107 73	80,940 04	6,778 50	135,826 27
1897	8,884	51,066 56	80,863 60	10,248 93	142,179 09
1898	8,256	50,412 91	80,915 05	5,982 56	137,310 52
1899	8,203	50,362 88	82,047 98	4,206 66	136,617 50
1900	8,604	50,353 75	82,144 05	4,944 21	137,442 10
1901	8,546	48,977 86	82,305 15	6,065 44	137,348 45
1902	8,280	49,125 35	85,350 04	6,515 40	140,990 79
1903	9,261	57,252 84	86,081 95	7,122 23	150,457 02
1904	10,146	59,916 13	89,164 98	5,413 09	154,494 20
1905	11,035	64,948 78	91,232 56	7,087 09	163,268 43
1906	10,810	59,874 67	91,663 85	6,635 49	158,174 01
1907	11,804	61,995 01	95,321 24	7,536 14	164,852 39
1908	13,083	68,468 72	98,651 71	8,708 79	175,829 20
1909	13,535	74,557 65	103,141 14	6,877 58	184,576 37

A summary is given below shewing the days' stay respectively of those prisoners whose maintenance was chargeable to the Province and of those who were a charge on the Municipalities :—

		Days' stay.
4,570	Criminal prisoners remained in gaol	144,947
8,965	Municipal " " "	172,777
13,535	Prisoners in all " "	317,724

Statistical Tables.

Following this portion of the report will be found the tables named in the list given hereunder:

Table No. 2, shewing the total number of prisoners in the several gaols on the 30th September, 1909, and the nature of their imprisonment; also shewing number of cells at each gaol.

Table No. 3, shewing the number of prisoners over and under 16 years of age, the number of recommittals, the number of persons acquitted on being brought to trial, and the number of persons committed under civil processes.

Table No. 4, shewing the offences for which prisoners were sentenced.

Table No. 5, shewing the number of prisoners, male and female, sentenced under each offence during the year.

Table No. 6, shewing the social status and habits of the prisoners committed during the year.

Table No. 7, shewing the number of prisoners upon whom sentence was passed, the nature of the sentences, and the operation of the County Judges' Criminal Courts.

Table No. 8, shewing how the prisoners committed during the year were maintained, the cost thereof, and the salaries of officials.

Table No. 9, shewing the number of escapes and deaths, the revenue derived from prison labor, the cost of diet, accommodations of the gaols, and the highest and lowest number of prisoners in custody in each gaol during the year.

Table No. 10, shewing the daily cost per prisoner in each of the gaols of the Province for the year ending 30th September, 1909.

Table No. 11, shewing the number of prisoners, male and female, sentenced during the year ending 30th September, 1909, and a comparison of the same with the previous year.

TABLE No. 2.

Showing the total number of prisoners who were in the several gaols of the Province on the evening of 30th September, 1909, and the nature of their imprisonment; also number of cells at each gaol.

Name of Gaol.	Classification.				Nature of Imprisonment.						Total number of persons who remained in custody 31st October, 1909.	Total number of cells.
	Men.	Women.	Boys under 16 years.	Girls under 16 years.	Waiting trial.	Under sentence for periods of 2 months and under.	Under sentence for periods over 2 months.	In default of sureties to keep the peace.	Insane, idiotic or imbecile persons.	Otherwise detained.		
Barrie	13	1	....	....	2	7	3	.....	2	....	14	27
Berlin	10	1	....	....	1	3	6	.....	1	....	11	20
Belleville	14	1	....	....	6	4	4	.....	1	....	15	21
Brantford	10	2	....	....	....	6	5	.....	1	....	12	32
Brampton	3	...	....	....	....	1	.....	.....	2	....	3	20
Brockville	...	...	....	....	....	.....	.....	.....	.....	....	.....	32
Bracebridge	4	1	....	....	1	1	3	.....	.....	....	5	15
Cayuga	4	...	....	....	....	1	2	.....	1	....	4	14
Cornwall	4	1	....	....	1	.....	4	.....	.....	....	5	18
Cobourg	10	...	....	....	1	1	8	.....	.....	....	10	21
Chatham	8	1	....	....	3	1	3	.....	1	1	9	36
Fort Frances	6	2	....	....	3	.....	4	.....	.....	1	8	12
Goderich	10	...	....	....	3	5	1	.....	1	....	10	15
Guelph	5	...	....	....	1	1	3	.....	.....	...	5	40
Gore Bay	5	..	....	....	....	1	3	.....	1	....	5	12
Hamilton	41	5	....	...	6	22	16	.....	2	....	46	60
Kingston	14	1	1	....	5	4	7	.....	.....	....	16	37
Kenora	8	1	....	....	3	1	5	.....	.....	....	9	11
London	14	1	....	....	2	10	3	.....	.....	....	15	57
Lindsay	5	...	....	....	1	3	.....	.....	1	....	5	28
L'Orignal	4	..	....	....	....	2	2	.....	.....	....	4	18
Milton	9	...	....	....	1	1	5	.....	2	...	9	24
Napanee	3	...	1	....	1	2	.....	.....	1	.. .	4	18
North Bay	19	3	....	....	5	4	13	.. ...	.....	....	22	19
Ottawa	42	7	....	....	7	14	27	.....	1	....	49	83
Owen Sound	10	1	....	....	1	2	6	.....	2	....	11	32
Orangeville	8	1	....	....	....	.....	8	.....	1	....	9	24
Perth	7	1	....	....	....	2	5	.....	1	....	8	18
Picton	2	...	....	....	....	1	.....	.....	.....	1	2	18
Pembroke	1	3	....	....	....	2	2	.....	.....	....	4	24
Peterborough	6	...	....	....	....	.....	6	.....	.....	....	6	18
Port Arthur	27	5	....	....	4	15	11	.....	2	....	32	40
Parry Sound	6	...	....	....	1	1	4	.....	.....	....	6	24
Simcoe	4	...	....	....	1	1	2	.....	.....	....	4	18
St. Catharines	6	...	....	....	2	2	2	.....	.....	....	6	38
Sarnia	7	...	....	....	1	3	2	.....	1	....	7	23
Stratford	7	1	1	....	2	3	4	.....	.....	....	9	27
Sandwich	15	1	....	....	3	6	7	.....	.....	....	16	36
St. Thomas	6	...	....	....	1	1	2	.....	2	....	6	16
Sault Ste. Marie	13	2	....	....	1	2	10	.....	2	....	15	34
Sudbury	24	3	....	....	4	11	10	.....	1	1	27	22
Toronto	153	59	....	....	37	120	35	.....	20	....	212	265
Walkerton	7	...	....	....	1	4	2	.....	.....	....	7	20
Woodstock	12	...	....	....	1	2	9	.....	.....	....	12	32
Welland	5	...	....	....	....	3	2	.....	.. ...	....	5	50
Whitby	5	1	....	....	1	1	2	.....	2	....	6	28
Lockups:												
Atikokan	...	...	....	....	....	.....	.....	.....	.....	....	.....	5
Burk's Falls	1	...	....	....	....	.....	.....	.....	1	....	1	7
Byng Inlet	...	...	....	....	....	.....	.....	.....	.....	....	.....	5
Cobalt	...	...	....	....	....	.....	.....	.....	.....	....	.....	6
Killarney	...	.	....	....	....	.....	.....	.....	.....	....	.....	6
Manitowaning	...	...	....	....	....	.....	.....	.....	.....	....	.....	8
Mine Centre	...	...	....	....	....	.....	.....	.....	.....	....	.....	5
Nepigon	...	...	....	....	....	.....	.....	.....	.....	....	.....	5
Webbwood	...	..	....	....	....	.....	.....	.....	.....	....	.....	6
Totals	597	106	3	....	114	277	258	.....	53	4	706	1,550

TABLE

Showing the number of persons committed, the number over and under sixteen years of age, the sound mind, number acquitted on trial, number discharged without trial, number

Name of Gaol.	Total number committed during the year.			Number under 16 years of age.			Number over 16 years of age.			For the first time.	For the second time.
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.		
Barrie	185	6	191	2		2	183	6	189	157	26
Berlin	123	8	131	2	2	3	121	7	128	80	24
Belleville	233	25	258	4		4	229	25	254	206	22
Brantford	338	23	361				338	23	361	207	46
Brampton	52	2	54	1		1	51	2	53	41	11
Brockville	147	6	153	12		12	135	6	141	94	30
Bracebridge	61	6	67				61	6	67	55	11
Cayuga	48	2	50	3		3	45	2	47	32	6
Cornwall	64	4	68				64	4	68	53	6
Cobourg	87	9	96	1		1	86	9	95	63	15
Chatham	173	12	185				173	12	185	143	26
Fort Frances	64	7	71				64	7	71	65	6
Goderich	76	4	80				76	4	80	43	23
Guelph	77	1	78				77	1	78	51	12
Gore Bay	20		20				20		20	19	1
Hamilton	791	79	870	2	2	4	789	77	866	434	102
Kingston	166	10	176	1		1	165	10	175	150	21
Kenora	150	3	153				150	3	153	136	10
London	665	57	722	3	2	5	662	55	717	305	114
Lindsay	40	2	42	4		4	36	2	38	39	3
L'Orignal	18		18	2		2	16		16	16	1
Milton	170		170	2		2	168		168	147	15
Napanee	47	3	50	1		1	46	3	49	23	11
North Bay	186	15	201		1	1	186	14	200	154	28
Ottawa	778	136	914				778	136	914	814	62
Owen Sound	116	7	123	3		3	113	7	120	75	20
Orangeville	51	7	58				51	7	58	40	13
Perth	129	10	139	2		2	127	10	137	122	13
Picton	40	3	42	2		2	38	2	40	5	3
Pembroke	75	4	79	1		1	74	4	78	71	3
Peterborough	220	16	236	4		4	216	16	232	166	39
Port Arthur	504	30	534				504	30	534	488	34
Parry Sound	103	6	109	1		1	102	6	108	74	26
Simcoe	78	5	83	1	2	3	77	3	80	43	12
St. Catharines	103	3	106	1		1	102	3	105	66	14
Sarnia	182	18	200	5		5	177	18	195	155	14
Stratford	130	4	134	7		7	123	4	127	110	24
Sandwich	238	10	248	7		7	231	10	241	204	26
St. Thomas	93	3	96	1		1	92	3	95	57	19
Sault Ste. Marie	146	14	160	3		3	143	14	157	141	14
Sudbury	570	25	595	3	1	4	567	24	591	582	10
Toronto	3,699	885	4,584	3	2	5	3,696	883	4,579	2,377	800
Walkerton	67	7	74	1		1	66	7	73	55	5
Woodstock	137	10	147		1	1	137	9	146	94	26
Welland	142	5	147				142	5	147	106	15
Whitby	81	4	85	1		1	80	4	84	67	10
Lockups :											
Atikokan	5	1	6				5	1	6	6	
Burk's Falls	63	4	67	1		1	62	4	66	65	2
Byng Inlet	2		2				2		2	2	
Cobalt	192	12	204				192	12	204	204	
Killarney	18		18				18		18	13	5
Manitowaning	9	1	10				9	1	10	4	4
Mine Centre	12		12				12		12	12	
Nepigon											
Webbwood	58		58				58		58	46	12
	12,022	1,513	13,535	87	12	99	11,935	1,501	13,436	8,977	1,795

No. 3

number of re-committals, the number for want of securities to keep the peace, number of unwaiting trial, number sentenced, and number committed under civil process.

For the third time.	For more than the third time.	For want of sureties to keep the peace.	Witnesses.	Lunatics and idiots.	Fraudulent debtors.	Under civil process.	Acquitted on trial and discharged.	Discharged without trial.	Discharged under suspended sentence.	Died before trial.	Waiting trial.	Sentenced for any period.
4	4	1	1	8	3	.....	16	12	7	.....	1	144
10	17	.....	.....	10	.....	.....	4	27	14	.....	1	75
8	22	.....	.....	6	.....	.....	145	.....	12	.....	6	89
21	87	.....	.....	5	.....	.....	198	.....	1	.....	.....	157
1	1	.....	.....	7	1	.....	16	6	8	.....	.....	16
6	23	.....	1	2	10	.....	41	4	17	.....	.....	78
1	.....	.....	.....	1	1	.....	6	.....	2	.....	1	56
2	10	.....	.....	2	.....	.....	6	.....	5	.....	.....	37
6	3	.....	.....	.....	.....	.....	4	.....	.....	.....	2	62
7	11	.....	.....	11	.....	.....	13	7	5	.....	1	59
7	9	.....	1	10	4	.....	69	.....	3	.....	3	95
.....	.....	1	.....	2	.....	1	7	6	2	.....	3	43
5	9	.....	.....	4	.....	.....	11	.....	6	.....	3	56
5	10	.....	.....	3	.....	.....	.....	15	11	.....	1	48
.....	.....	.....	.....	2	.....	.....	2	.....	1	.....	1	14
45	289	10	.....	12	.....	.....	21	138	8	1	6	674
3	2	.....	.....	2	.....	.....	3	25	3	.....	5	138
7	.....	.....	.....	4	.....	.....	18	.....	1	1	3	126
53	250	1	.....	14	.....	.....	284	56	4	.....	3	360
.....	.....	.....	.....	3	.....	.....	9	1	3	.....	1	25
1	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	15
6	2	.....	.....	3	.....	.....	2	122	2	.....	1	40
9	7	.....	.....	2	1	.....	2	.....	5	.....	1	39
11	8	.....	.....	2	.....	.....	23	.....	.....	.....	6	170
25	13	.....	.....	6	.....	.....	383	.....	.....	.....	6	519
8	20	.....	.....	12	.....	.....	36	.....	5	.....	1	69
3	2	.....	.....	9	.....	1	6	1	.....	.....	.....	41
3	1	.....	.....	3	.....	.....	3	7	4	.....	1	121
3	31	.....	.....	3	.....	.....	1	23	1	.....	.....	14
5	.....	.....	.....	2	.....	.....	.....	12	.....	.....	3	62
19	12	1	.....	6	.....	.....	52	70	11	.....	.....	96
10	2	.....	.....	30	.....	.....	29	.....	4	.....	3	468
7	2	.....	2	7	.....	.....	34	.....	3	.....	1	62
9	19	.....	.....	2	.....	.....	6	.....	6	1	.....	68
8	18	.....	.....	4	.....	.....	20	.....	8	.....	2	72
8	23	.....	.....	13	.....	.....	46	.....	13	.....	1	127
.....	.....	2	1	3	.....	.....	4	50	2	.....	2	70
7	11	.....	.....	10	.....	5	11	98	5	.....	3	116
13	7	3	.....	4	2	1	9	15	5	.....	1	56
2	3	.....	.....	5	.....	.....	11	47	3	1	1	92
2	1	.....	.....	9	.....	.....	112	3	54	1	4	412
396	1,011	2	3	99	2	.....	1,533	57	130	5	37	2,716
3	11	.....	.....	8	.....	.....	5	8	8	.....	1	44
12	15	.....	.....	4	2	.....	62	.....	10	.....	1	68
10	16	.....	.....	2	2	.....	5	44	.....	.....	.....	94
3	5	.....	.....	4	1	.....	8	13	3	.....	1	55
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	5
.....	.....	.....	1	.....	2	.....	6	23	1	.....	.....	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	1	.....	.....	86	86	.....	.....	.....	31
.....	.....	.....	.....	.....	.....	.....	9	.....	.....	.....	.....	9
.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	29	17	.....	.....	.....	12
774	1,989	21	10	362	29	14	3,410	1,004	396	10	118	8,161

TABLE

Shewing the offences for which prisoners were sentenced

Name of gaols.	Abortion.	Abusive and obscene language.	Arson.	Assault.	Assault, felonious.	Attempted suicide.	Abduction.	Bigamy.	Breaches of the peace.	Breaches of By-laws.	Burglary.
Barrie		1		6	1			2			
Berlin		2		1							
Belleville		1		3				2			
Brantford				10	2						
Brampton				3	1						
Brockville		2		1	3						2
Bracebridge		2		4							
Cayuga				1							3
Cornwall				2	1						
Cobourg				2		1			1		1
Chatham				3	2			1	7		
Fort Frances		1		2	1				2	3	3
Goderich			1	2	3	1	1				
Guelph			1	4							1
Gore Bay				2			2				1
Hamilton		1		4	6			1			3
Kingston				3						17	
Kenora					5						
London		1		18	3			2		3	
Lindsay				1							
L'Orignal											
Milton				2							
Napanee				2							
North Bay				7		1					1
Ottawa		2		17	1		1		21	5	2
Owen Sound				3				1		1	
Orangeville				1	1				1		
Perth		1			1			1		2	
Picton				1		1					
Pembroke			1	5							
Peterborough				7	1						1
Port Arthur		7		12	3	1			6		5
Parry Sound				5					1		
Simcoe			1	4							
St. Catharines				2	2			1			
Sarnia				3						2	
Stratford				3	1						
Sandwich			1	7	4			1			2
St. Thomas				2	1			1	2		
Sault Ste. Marie				11							
Sudbury			1	12							
Toronto			1	20	37	3		11		4	4
Walkerton				4							
Woodstock				2						1	
Welland				2	4						1
Whitby			1	6				1			
Lockups.											
Atikokan											
Burk's Falls											
Byng Inlet											
Cobalt						1					2
Killarney											
Manitowaning											
Mine Centre											
Nepigon											
Webbwood											
Totals		21	8	212	84	9	4	25	41	38	32

No. 4.

during the year ended 30th September, 1909.

Contempt of Court.	Carrying unlawful weapons.	Counterfeiting and passing counterfeit money.	Cruelty to animals.	Cutting, wounding and attempting same.	Deserting employment	Destroying and injuring property.	Drunk and disorderly.	Embezzlement	Escaping from and obstructing constables	Escaping from prison.	Forgery.	Fraud or obtaining money under false pretences.
1							29					5
1							13				1	3
1				2			22	1		1	1	
3	1					2	73	2			1	1
2	1						29					
1							6		1			1
				1	1		3					
1							31					
							26		2			1
2				1			22				1	1
			1	1			7		3			2
1	1						13					2
5							3					1
							2					
	4			1		4	395		4		7	8
					2		72					1
	4						33		7		3	4
	3		1				194		1			1
1							8					
2	3						1					
		2			1		8			1		
			2				15			1		
2	1						38		1		2	1
11				2		5	236				4	5
1							13		1		1	1
1							11				1	
							6					
							20				1	1
	1					4	19		1			
	12					5	209	1			1	8
							23				1	1
1							37					
						1	36				2	1
							73				2	
9	2						20				1	2
5	1	1				1	28					8
3	1		1			1	13		2	3		
	1		2				14		2			
							248	1	4		2	5
	5		2	12		8	1,385		29	1	14	28
							4				1	
							9					
3				2			17				2	
							12				1	
2	1			1			3			1	1	
											1	1
							8					1
							1					
59	42	3	9	23	4	31	3,488	5	58	8	52	87

TABLE

Showing offences for which prisoners were sentenced

Name of gaols.	Gambling.	Giving liquor to Indians.	Horse, cattle and sheep stealing.	House breaking and robbery.	Incendiarism.	Indecent assault and exposure.	Inmates and frequenters of houses of ill-fame.	Keeping house of ill-fame.	Larceny.	Manslaughter.	Misdemeanour	Murder.	Perjury.
Barrie			4	3		2			17				
Berlin			1	4		1			6				
Belleville			1	6		2		2	15		1		3
Brantford		8	2	2			1	1	22				1
Brampton			5						4				
Brockville		1		5					12				1
Bracebridge		3		6									1
Cayuga			1	4					1				
Cornwall		1		2					12				
Cobourg				1		2			5				
Chatham		3		5		2	2		26				1
Fort Frances		2		4									
Goderich						3			4		1		
Guelph			1	1		2			8				
Gore Bay		2				1			4				
Hamilton	5		2			9	9	8	47				5
Kingston			1						17				1
Kenora		3				1			30	1			2
London		2		1	2		3	3	91			2	1
Lindsay			1						5				1
L'Orignal												1	
Milton						1			6				
Napanee						1			11				
North Bay				4		3	4	8	44			1	
Ottawa			2	7		2	10	12	92				1
Owen Sound			1	1					20				2
Orangeville									4				
Perth					2				10				
Picton									2				
Pembroke				1					16				
Peterborough		1	1	1		1			13				
Port Arthur	2	5		5		3	2	2	58				
Parry Sound				3		3			15				
Simcoe			2			1			12				
St. Catharines			1						12		11		
Sarnia		1				1	1	1	8				2
Stratford						1		1	9	1			
Sandwich			2	8		3			19	1			
St. Thomas		5	1			2			12				
Sault Ste. Marie		4				3	1	3	23				2
Sudbury				4		2	8	3	79			1	
Toronto	5		5	40		31	51	51	431			1	6
Walkerton									8				
Woodstock								1	4	1			
Welland				1					6				
Whitby			1	1		2			5				
Lockups :													
Atikokan													
Burk's Falls		1		2		1			9				
Byng Inlet		1				1							
Cobalt				1		2		2	7			1	1
Killarney													
Manitowaning													
Mine Centre													
Nepigon													
Webbwood										9			
Totals	12	43	35	123	4	89	92	98	1,261	13	13	7	31

No. 4—Continued.

during the year ended 30th September, 1909.

Prostitution.	Rape and assault with intent.	Refusing bail.	Receiving stolen goods.	Seduction.	Selling liquor without a license.	Shooting with intent.	Stabbing.	Threatening and seditious language.	Trespass.	Unlawful shooting.	Vagrancy.	Other offences not enumerated.	Totals.
.....	.....	.....	2	1	5	.....	.....	1	16	.....	37	11	144
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	40	1	75
.....	2	.....	1	.....	.....	2	1	.....	.....	.....	13	6	89
.....	1	.....	.....	.....	.....	.....	.....	.....	8	.....	15	1	157
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13	.....	16
.....	1	.....	.....	1	.....	.....	.....	1	.....	.....	13	3	78
1	1	.....	.....	1	.....	.....	.....	.....	4	2	21	1	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	4	37
.....	.....	.....	.....	.....	2	1	.....	.....	2	.....	7	.....	62
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	13	3	59
2	.....	.....	.....	.....	1	.....	.....	.....	2	.....	11	.....	95
.....	.....	.....	1	.....	2	1	.....	1	.....	2	3	1	43
.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	21	.....	56
.....	.....	.....	.....	.....	6	1	.....	.....	3	.....	10	1	48
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	2	.....	.....	1	.....	.....	26	.....	100	22	674
.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	21	2	138
.....	.....	.....	2	.....	.....	.....	1	2	.....	.....	25	3	126
.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	25	.....	360
.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	2	4	25
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	3	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	1	40
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	39
8	1	.....	1	.....	12	.....	1	.....	11	.....	18	.....	170
.....	.....	.....	1	.....	4	.....	.....	2	7	.....	52	15	519
.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	17	3	69
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34	.....	41
2	2	.....	.....	.....	1	.....	.....	.....	1	.....	79	6	121
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	14
.....	.....	.....	1	.....	1	.....	.....	.....	2	.....	13	.....	62
3	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	24	17	96
3	.....	.....	4	1	.....	1	1	1	16	.....	87	7	468
.....	1	.....	.....	.....	4	.....	.....	2	.....	.....	.....	3	62
.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	3	5	68
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	72
.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	14	2	127
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	.....	70
.....	1	.....	.....	1	.....	.....	.....	.....	4	.....	24	1	116
.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	4	.....	56
.....	.....	.....	1	1	7	.....	.....	.....	.....	.....	13	4	92
2	1	.....	.....	.....	19	6	2	.....	.....	.....	12	.....	412
.....	1	.....	7	.....	12	.....	.....	.....	139	.....	367	5	2,716
.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	22	4	44
.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	45	3	68
.....	.....	.....	1	.....	.....	.....	.....	.....	5	.....	48	2	94
.....	1	.....	.....	.....	.....	1	.....	.....	2	.....	20	1	55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3	8	34
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	12	.....	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	12
21	19	.....	25	9	96	14	6	13	271	4	1,348	171	8,161

TABLE No. 5.

Shewing the total number of prisoners, male and female, sentenced under each offence, during the year ending 30th September, 1909.

Offences.	Male.	Female.	Total.
Abortion	.....	.....	.....
Abusive and obscene language	19	2	21
Arson	8	.....	8
Assault	210	2	212
Assault, felonies	82	2	84
Attempted suicide	8	1	9
Abduction	3	1	4
Bigamy	20	5	25
Breaches of the peace	39	2	41
Breaches of by-laws	32	6	38
Burglary	32	.....	32
Contempt of court	59	.....	59
Carrying unlawful weapons	42	.....	42
Counterfeiting and passing counterfeit money	3	.....	3
Cruelty to animals	9	.....	9
Cutting, wounding and attempting same	22	1	23
Deserting employment	4	.....	4
Destroying and injuring property	30	1	31
Drunk and disorderly	3,031	457	3,488
Embezzlement	4	1	5
Escaping or obstructing constables	57	1	58
Escaping from prison	8	.....	8
Forgery	52	.....	52
Fraud and obtaining money or goods under false pretences	86	1	87
Gambling	12	.....	12
Giving liquor to Indians	41	2	43
Horse, cattle and sheep stealing	35	.....	35
Housebreaking and robbery	121	2	123
Incendiarism	4	.....	4
Indecent assault and exposure	88	1	89
Inmates and frequenters of houses of ill-fame	33	59	92
Keeping houses of ill-fame	40	58	98
Larceny	1,192	69	1,261
Manslaughter	10	3	13
Misdemeanour	13	.....	13
Murder	5	2	7
Perjury	16	15	31
Prostitution	.....	21	21
Rape and assault with intent	19	.....	19
Refusing bail	.....	.....	.....
Receiving stolen property	23	2	25
Seduction	9	.....	9
Selling liquor without license	90	6	96
Shooting with intent	14	.....	14
Stabbing	5	1	6
Threatening and seditious language	13	.....	13
Trespass	264	7	271
Unlawful shooting	4	.....	4
Vagrancy	1,203	145	1,348
Other offences not enumerated	166	5	171
Totals	7,280	881	8,161

TABLE No. 6.

Showing the social status and habits of the prisoners committed during the year ending September 30th, 1909.

Name of gaol.	Married.	Unmarried.	Neither read nor write.	Temperate	Intemperate.	Total committed to gaol.
Barrie	134	57	4	76	115	191
Berlin	52	79	9	69	62	131
Belleville	120	138	75	153	105	258
Brantford	107	254	68	103	258	361
Brampton	20	34	3	20	34	54
Brockville	50	103	21	59	94	153
Bracebridge	28	39	7	24	43	67
Cayuga	14	36	7	12	38	50
Cornwall	21	47	25	17	51	68
Cobourg	40	56	13	44	52	96
Chatham	69	116	31	122	63	185
Fort Frances	28	43	18	22	49	71
Goderich	24	56	3	43	37	80
Guelph	21	57	8	39	39	78
Gore Bay	14	6	8	11	9	20
Hamilton	295	575	117	127	743	870
Kingston	43	133	22	29	147	176
Kenora	28	125	18	67	86	153
London	290	432	28	164	558	722
Lindsay	17	25	1	16	26	42
L'Orignal	5	13	6	8	10	18
Milton	34	136	18	87	83	170
Napanee	19	31	10	13	37	50
North Bay	63	138	46	55	146	201
Ottawa	447	467	213	171	743	914
Owen Sound	39	84	23	34	89	123
Orangeville	16	42	19	26	32	58
Perth	28	111	12	40	99	139
Picton	12	30	5	6	36	42
Pembroke	21	58	18	23	56	79
Peterborough	85	151	43	121	115	236
Port Arthur	129	405	54	463	71	534
Parry Sound	40	69	32	34	75	109
Simcoe	40	43	16	10	73	83
St. Catharines	34	72	18	30	76	106
Sarnia	55	145	13	99	101	200
Stratford	42	92	24	66	68	134
Sandwich	91	157	19	114	134	248
St. Thomas	33	63	12	62	34	96
Sault Ste. Marie	51	109	48	28	132	160
Sudbury	166	429	90	50	545	595
Toronto	2,039	2,545	354	862	3,722	4,584
Walkerton	25	49	9	29	45	74
Woodstock	49	98	5	76	71	147
Welland	41	106	4	37	110	147
Whitby	22	63	9	36	49	85
Lockups:						
Atikokan	.....	6	.....	.....	6	6
Burk's Falls	27	40	1	30	37	67
Byng Inlet	2	.....	2	.....	2	2
Cobalt	61	143	.....	24	180	204
Killarney	8	10	.....	2	16	18
Manitowaning	7	3	1	10	.....	10
Mine Centre	3	9	.....	.....	12	12
Nepigon	.....	.....	.....	.....	.....	.....
Webbwood	18	40	10	18	40	58
	5,167	8,368	1,620	3,881	9,654	13,535

TABLE

Showing the number of prisoners upon whom sentences were passed, the nature of such
Court during the year ending

Name of gaol.	Total number of prisoners sentenced during the year.			Where sentenced to.					
	Male.	Female.	Total.	To gaol and afterwards transferred to the Central Prison.	To Central Prison direct.	To gaol and afterwards to Female Reformatory.	To Female Reformatory direct.	To Provincial Penitentiary.	To Industrial Schools.
Barrie	139	5	144		20		1	4	
Berlin	72	3	75		23		2	3	
Belleville	84	5	89		9		1	10	
Brantford	149	8	157	1	11		1	5	1
Brampton	16		16		1			2	2
Brockville	74	4	78		6			10	5
Bracebridge	51	5	56	1	3		3	4	
Cayuga	35	2	37		3			4	3
Cornwall	58	4	62	1	4			4	
Cobourg	55	4	59		4		1	1	1
Chatham	86	9	95		24		3	10	1
Fort Frances	39	4	43		4		1	3	
Goderich	53	3	56	2				2	
Guelph	48		48		6			2	
Gore Bay	14		14	1					
Hamilton	612	62	674	9	46		17	25	
Kingston	131	7	138	4				2	
Kenora	124	2	126		24			2	3
London	343	17	360		46		10	16	2
Lindsay	25		25		1			2	5
L'Orignal	15		15					2	
Milton	40		40		2		1	2	
Napanee	36	3	39		5			1	
North Bay	156	14	170	2	34		13	4	
Ottawa	434	85	519	14	29	2	2	8	
Owen Sound	67	2	69	2	8			1	2
Orangeville	37	4	41		1			1	
Perth	115	6	121		12		1	1	3
Picton	14		14						2
Pembroke	59	3	62		1			9	2
Peterborough	90	6	96		14		3	1	
Port Arthur	442	26	468		31	2		11	
Parry Sound	61	1	62		8		1	2	
Simcoe	65	3	68	2	5		1	2	
St. Catharines	71	1	72		11		1	3	
Sarnia	126	1	127		8		1	3	
Stratford	67	3	70		5		3	6	
Sandwich	114	2	116	1	19			8	2
St. Thomas	56		56		5			5	
Sault Ste. Marie	85	7	92	1	14		1	2	
Sudbury	391	21	412		25		5	9	1
Toronto	2,176	540	2,716		220		62	35	
Walkerton	43	1	44		3			1	1
Woodstock	66	2	68		8		1	4	
Welland	92	2	94		13				
Whitby	53	2	55	2	1			3	
Lock-ups:									
Atikokan	5		5						
Burk's Falls	31	3	84						
Byng Inlet	2		2						
Cobalt	31		31						
Killarney	9		9						
Manitowaning	8	1	9						
Mine Centre	1		1						
Nepigon									
Webbwood	12		12						
Totals	7,278	883	8,161	43	717	4	136	235	32

No. 7.

sentences, and the disposal of those who elected to be tried at the County Judge's Criminal September 30th, 1909.

Died while undergoing sentence.	To gaol and there detained until expiration of sentence or payment of fine.	Capital and corporal sentences.			County Judge's criminal court.		
		Number of prisoners sentenced to death and executed.	Number of Prisoners sentenced to death and commuted to imprisonment.	Number of prisoners sentenced to corporal punishment with imprisonment.	Acquitted on trial and discharged from custody.	Found guilty and sentenced.	Total number who elected to be tried.
.....	119	.....	.....	.....	13	14	27
.....	47	.....	.....	1	3	11	14
.....	69	.....	.....	.....	18	22	40
.....	138	.....	.....	.....	7	6	13
.....	11	1	.....	.....	5	4	9
.....	57	.....	.....	.....	11	19	30
.....	45	.....	.....	1	3	7	10
1	26	.....	.....	.....	1	11	12
.....	53	.....	.....	.....	4	4	8
.....	52	.....	.....	.....	4	4	8
1	56	.....	.....	.....	6	13	19
.....	35	.....	.....	.....	.....	.....	.....
.....	52	.....	.....	.....	5	22	27
.....	40	.....	.....	.....	.....	10	10
.....	13	.....	.....	.....	.....	1	1
1	576	.....	.....	1	16	45	61
.....	132	.....	.....	.....	2	1	3
2	95	.....	.....	.....	4	12	16
.....	286	.....	.....	.....	8	19	27
.....	20	.....	.....	.....	.....	3	3
.....	13	.....	1	.....	3	5	8
.....	35	.....	.....	.....	2	38	40
.....	33	.....	.....	.....	2	.....	2
.....	117	1	.....	.....	22	2	24
.....	464	.....	.....	.....	3	10	13
.....	56	.....	.....	.....	4	9	13
2	37	.....	.....	.....	2	2	4
.....	104	.....	.....	.....	4	4	8
.....	12	.....	.....	.....	.....	2	2
.....	51	.....	.....	.....	.....	2	2
.....	78	.....	.....	.....	2	4	6
.....	424	.....	.....	.....	10	7	17
.....	51	.....	.....	.....	10	13	23
.....	58	.....	.....	.....	7	60	67
.....	57	.....	.....	.....	4	11	15
1	114	.....	.....	.....	11	5	16
.....	56	.....	.....	.....	2	6	8
.....	86	.....	.....	.....	5	10	15
.....	46	.....	.....	.....	4	6	10
3	71	.....	.....	.....	7	2	9
1	371	.....	1	.....	.....	.....	.....
3	2,396	.....	.....	.....	19	17	36
1	38	.....	.....	.....	3	6	9
.....	55	.....	.....	1	1	.....	1
1	80	.....	.....	.....	4	3	7
1	48	.....	.....	1	8	2	10
.....	5	.....	.....	.....	.....	.....	.....
.....	34	.....	.....	.....	1	2	3
.....	2	.....	.....	.....	.....	.....	.....
.....	31	.....	.....	.....	.....	.....	.....
.....	9	.....	.....	.....	.....	.....	.....
.....	9	.....	.....	.....	.....	.....	.....
.....	1	.....	.....	.....	.....	1	1
.....	.....	.....	.....	.....	.....	.....	.....
.....	12	.....	.....	.....	.....	.....	.....
18	6,976	2	2	5	250	457	707

TABLE

Shewing the number of prisoners, how maintained, cost of maintenance, and

Name of Gaol.	Name of Gaoler.	How Maintained.				
		Total number of prisoners committed during the year.	Number of prisoners whose maintenance was defrayed by the Province.	Number of prisoners whose maintenance was defrayed by the municipalities.	Number of days' custody of Government prisoners.	Number of days' custody of municipal prisoners.
Barrie	Jonathan Sissons	191	106	85	2,646	2,118
Berlin	Jonathan Cook	131	37	94	810	4,879
Belleville	Tom Ketcheson	258	167	91	4,060	2,079
Brantford	John Y. Brown	361	85	276	1,206	3,286
Brampton	W. Lewis Wilson	54	29	25	445	796
Brockville	A. D. McDougall	153	89	64	1,550	1,690
Bracebridge	Duncan McDonald	67	67	..	2,034	..
Cayuga	Andrew Williamson	50	23	27	582	1,240
Cornwall	Thomas W. Ault	68	12	56	322	1,140
Cobourg	H. J. Snelgrove, M.A.	96	34	62	1,287	3,371
Chatham	John Davidson	185	109	76	2,665	2,654
Fort Frances	Wilford Lowe	71	40	31	1,280	76
Goderich	Joseph Griffin	80	30	50	670	1,741
Guelph	John McNab	78	28	50	1,157	1,132
Gore Bay	Stephen Cronkhite	20	18	2	977	12
Hamilton	James Ogilvie	870	148	722	4,624	11,272
Kingston	Charles H. Corbett	176	43	133	1,763	3,930
Kenora	D. G. McKinnon	153	153	.....	4,945	.....
London	James Carter	722	216	506	3,594	6,169
Lindsay	Andrew Jackson	42	23	19	651	473
L'Orignal	John D. Cameron	18	9	9	500	180
Milton	Archie McGibbon	170	22	148	1,159	1,969
Napanee	W. E. Loyst	50	21	29	1,091	994
North Bay	W. J. Bailey	201	197	4	7,572	7
Ottawa	William Kehoe	914	210	704	6,736	10,281
Owen Sound	John Miller	123	62	61	2,149	3,935
Orangeville	Charles Bowles	58	13	45	919	4,271
Perth	W. H. Grant	139	26	113	876	6,213
Picton	Abram Huyck	42	6	36	247	899
Pembroke	William Brown	79	32	47	1,238	1,269
Peterborough	Henderson Nesbitt	236	33	203	479	5,023
Port Arthur	Thos. Penfold	534	534	.....	19,172	.....
Parry Sound	James Manson	109	109	.....	2,168	.....
Simcoe	Oliver Robertson	83	32	51	746	1,005
St. Catharines	George Bush	106	39	67	1,742	1,393
Sarnia	Robert G. McArthur	200	36	164	960	4,402
Stratford	Hugh Nichol	134	67	67	2,308	1,277
Sandwich	John Harman	248	177	71	4,269	1,826
St. Thomas	Nelson W. Moore	96	31	65	1,204	2,060
Sault Ste. Marie	John Hearst	160	160	.....	6,618	.....
Sudbury	Terance Keaney	595	257	338	4,399	3,387
Toronto	A. B. Chambers.	4,584	807	3,777	36,071	61,636
Walkerton	Donald McKechnie	74	35	39	794	2,005
Woodstock	Chas. Wilson	147	30	117	553	5,377
Welland	John Coulson	147	54	93	1,195	3,673
Whitby	J. E. Schiller.	85	51	34	1,690	1,909
Lock-ups:						
Atikokan	Hugh McDonald	6	6	.....	.....	.....
Burk's Falls	Thos. Daniels	67	33	34	753	28
Byng Inlet	Chas. H. Knight	2	2	.....	1	.....
Cobalt	George Caldbick	204	.....	204	.....	.....
Killarney	Dominic de Lamorandiere	18	.....	18	32	.....
Manitowaning	Samuel Walker	10	10	.....	26	.....
Mine Centre	Jas. R. Gilbert	12	12	.....	12	.....
Nepigon	N. H. Begley	.....	.....	.....	.....	.....
Webbwood	A. E. Storie	58	.....	58	.....	.....
Totals		13,535	4,570	8,965	144,947	172,777

No, 8.

salaries of various gaol officials for the year ended 30th September, 1909.

Expenditure.					Salaries.			
Cost of food, fuel and clothing.	Cost of official salaries.	Cost of repairs.	Total gaol expenditure for the year.	Average cost per prisoner for entire gaol expenditure.	Gaolers.	Turnkeys.	Matrons.	Gaol surgeons.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,876 36	1,893 00	212 11	3,981 47	20 84	800 00	743 00	200 00	150 00
1,267 68	1,577 00	.....	2,844 68	21 71	610 00	702 00	140 00	125 00
1,636 72	1,750 00	.....	3,386 72	13 12	700 00	550 00	300 00	200 00
1,051 78	1,850 00	116 60	3,018 38	8 36	800 00	600 00	250 00	200 00
524 25	1,275 00	.....	1,799 25	33 32	550 00	400 00	250 00	75 00
1,087 16	1,475 00	48 17	2,610 33	17 06	800 00	425 00	150 00	100 00
262 98	750 00	.....	1,012 98	.....	500 00	.....	100 00	150 00
854 55	1,225 00	87 60	2,167 15	43 34	600 00	365 00	120 00	140 00
547 08	1,315 00	40 00	1,902 08	27 97	740 00	350 00	125 00	100 00
2,905 02	1,805 25	410 34	5,120 61	53 34	800 00	730 25	200 00	75 00
1,295 86	2,111 00	204 65	3,611 51	19 52	800 00	903 00	208 00	200 00
911 40	450 00	9 40	1,370 80	19 30	450 00	.....	.....	.....
699 25	1,620 00	178 75	2,498 00	31 22	700 00	600 00	200 00	120 00
1,187 74	1,625 00	.....	2,812 74	36 06	700 00	575 00	250 00	100 00
555 80	496 00	.....	1,051 80	52 59	300 00	96 00	100 00	.....
2,642 42	3,900 00	162 96	6,705 38	7 70	1,058 34	2,341 66	350 00	150 00
2,131 13	2,549 48	681 89	5,362 50	30 46	1,000 00	1,109 48	240 00	200 00
1,413 97	2,469 00	16 03	3,899 00	12 24	600 00	1,469 00	200 00	200 00
1,589 74	3,825 00	598 15	6,012 89	8 32	800 00	2,025 00	650 00	350 00
476 40	1,350 00	86 05	1,912 45	45 54	550 00	500 00	200 00	100 00
274 09	1,524 75	.....	1,798 84	99 93	600 00	699 75	150 00	75 00
579 09	1,175 00	1 25	1,755 34	10 32	550 00	450 00	100 00	75 00
961 41	1,175 00	75 00	2,211 41	44 23	600 00	400 00	100 00	75 00
1,843 25	2,459 25	434 30	4,736 80	23 56	600 00	1,513 25	196 00	150 00
4,188 82	3,726 08	222 24	8,137 14	8 90	800 00	2,250 08	350 00	326 00
1,460 60	1,900 00	.....	3,360 60	27 32	800 00	550 00	300 00	250 00
1,575 83	1,582 00	49 40	3,207 23	55 29	700 00	582 00	200 00	100 00
1,290 45	1,550 00	40 00	2,880 45	20 74	800 00	450 00	200 00	100 00
234 64	942 20	.....	1,176 84	28 02	400 00	367 20	100 00	75 00
327 07	1,597 50	.....	1,924 57	24 36	800 00	547 50	150 00	100 00
985 16	1,400 00	.....	2,385 16	10 10	650 00	450 00	150 00	150 00
4,633 83	2,585 00	229 82	7,448 65	13 94	800 00	1,460 00	175 00	150 00
438 00	1,350 00	10 00	1,798 00	16 50	600 00	500 00	100 00	150 00
505 24	1,336 50	260 13	2,101 87	25 32	500 00	561 50	200 00	75 00
842 00	1,530 00	40 00	2,412 00	22 75	750 00	480 00	200 00	100 00
1,024 11	1,650 50	75 00	2,749 61	13 74	675 00	575 50	200 00	200 00
804 46	2,168 40	133 64	3,106 50	23 18	700 00	1,068 40	250 00	150 00
1,766 20	2,300 00	117 89	4,184 09	16 87	800 00	1,050 00	250 00	200 00
291 78	2,120 00	.....	2,411 78	25 12	675 00	1,095 00	200 00	150 00
2,209 81	2,060 40	407 33	4,677 54	29 23	600 00	1,060 40	200 00	200 00
1,790 78	1,630 00	....	3,420 78	5 74	550 00	730 00	200 00	150 00
17,654 24	21,673 83	1,570 78	40,898 85	8 92	2,000 00	17,173 83	1,300 00	1,200 00
714 22	1,400 00	100 00	2,214 22	29 92	650 00	400 00	250 00	100 00
797 55	1,750 00	62 60	2,610 15	17 75	800 00	600 00	250 00	100 00
1,411 00	2,082 00	100 00	3,593 00	24 44	725 00	1,057 00	200 00	100 00
862 23	1,462 00	95 50	2,419 73	29 15	700 00	512 00	150 00	100 00
.....	150 00	.....	150 00	25 00	150 00	.....	.....	.....
51 00	300 00	.....	351 00	5 24	250 00	.....	50 00	.....
3 50	300 00	.....	303 50	151 75	300 00	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	100 00	.....	100 00	5 55	100 00	.....	.....	.....
120 00	200 00	.....	320 00	32 00	200 00	.....	.....	.....
.....	300 00	.....	300 00	25 00	300 00	.....	.....	.....
... .	200 00	.....	200 00	200 00	200 00	.....	.....	...
.....	150 00	.....	150 00	2 58	150 00	.....	.....	.....
74,557 65	103,141 14	6,877 58	184,576 37	13 63	34,333 34	51,067 80	10,404 00	7,336 00

TABLE No 9.

Showing the number of escapes and deaths, the Revenue derived from prison labor, the cost of diet, the accommodation of the various gaols and the highest and lowest number of prisoners in custody during the year ending 30th September, 1909.

Name of gaol.	Prisoners who escaped and evaded recapture.	Prisoners who escaped and were recaptured.	Prisoners who died.	Number of cells in each gaol.	Greatest number of prisoners confined in gaol at any time during the year.	Lowest number of prisoners confined in gaol at any time during the year.	Actual cash revenue derived from prison labor.	Cost of daily rations for prisoners.
								Cents.
Barrie				24	25	6		11½
Berlin				20	27	8		9.70
Belleville	1	1		38	24	9		8.77
Brantford				24	24	5		6 39
Brampton				25	8	2		12¾
Brockville				34	20	0		8.88
Bracebridge	2			15	16	0		12½
Cayuga			1	14	11	1		9.00
Cornwall	1			17	8	2	32.70	14½
Cobourg				22	22	6		10½
Chatham			1	37	24	6		9.87
Fort Frances				12	10	3		40.00
Goderich				12	12	2		10.00
Guelph				35	12	2		8¾
Gore Bay				12	9	2		40.00
Hamilton			2	60	65	22		7¼
Kingston				49	28	7	153.10	10½
Kenora			2	11	29	2		9.03
London		2		57	52	15		6.53¾
Lindsay		2		24	6	1		8.00
L'Orignal				18	6			10⅝
Milton	1			23	20	2		8.31
Napanee	1			18	12	2		9⅔
North Bay	1			19	33	10		10.00
Ottawa				93	76	42		10⅗
Owen Sound				32	23	8		13.00
Orangeville			2	22	21	9		9.00
Perth				18	43	5	19.25	9¾
Picton				18	18			9.00
Pembroke				24	16	3		8 1/16
Peterborough				18	25	6		8¾
Port Arthur	1	2		40	97	31		10 64/100
Parry Sound				27	20			13.642
Simcoe	1		1	18	12			10⅔
St. Catharines				26	18	3		11
Sarnia	1		1	23	23	6		9½
Stratford				30	17	3		9
Sandwich				48	31	8		11.85
St. Thomas	1	1		16	19	4		8⅝
Sault Ste. Marie	1		4	34	28	10		12.76
Sudbury			2	22	48	8		
Toronto			8	270	362	198		7¾
Walkerton			1	24	15	1		6½
Woodstock		1		32	30	2		8½
Welland			1	50	33			8
Whitby			1	21	18	5		7¾
Lockups :								
Atikokan				3	2			
Burk's Falls	1	1		7	7			40.00
Byng Inlet				7	1			
Cobalt								
Killarney				4				
Manitowaning				5	2			40.00
Mine Centre				3	1			
Nepigon								
Webbwood								
	13	10	27	1,555			205.05	

TABLE No. 10.

Showing the daily cost per prisoner in each of the gaols, excluding the District Lock-ups, for the year ending 30th September, 1909.

Name of gaol.	Number of prisoners committed during the year.	Total days' stay of prisoners during the year.	Cost of fuel, food and clothing.	Average cost per day for each prisoner.
			$ c	Cents.
Barrie	191	4,764	1,876 36	39.38
Berlin	131	5,689	1,267 68	22 28
Belleville	258	6,13	1,636 72	26.49
Brantford	361	4,492	1,031 78	23.41
Brampton	54	1,241	524 25	42.24
Brockville	153	3,240	1,087 16	33.55
Bracebridge	67	2,034	262 98	12 92
Cayuga	50	1,822	854 55	46.90
Cornwall	68	1,462	547 08	38.10
Cobourg	96	4,658	2,905 02	62.36
Chatham	185	5,319	1,295 86	24.36
Fort Frances	71	1,356	911 40	67.21
Goderich	80	2,411	699 25	29.04
Guelph	78	2,289	1,187 74	51.88
Gore Bay	20	989	555 80	56.20
Hamilton	870	15,896	2,642 42	16.62
Kingston	176	5,693	2,131 13	37.43
Kenora	153	4,945	1,413 97	28.59
London	722	9,763	1,589 74	16.28
Lindsay	42	1.124	476 40	42.38
L'Orignal	18	680	274 09	40.31
Milton	170	3,128	579 09	18.19
Napanee	50	2,085	961 41	20.85
North Bay	201	7,579	1,843 25	24.32
Ottawa	914	17,017	4,188 82	24.61
Owen Sound	123	5,784	1,460 60	25.25
Orangeville	58	5,190	1,575 83	30.36
Perth	139	7,089	1,290 45	18.20
Picton	42	1,146	234 64	20.47
Pembroke	79	2,507	327 07	13.04
Peterborough	236	5,502	985 16	17.94
Port Arthur	534	19,172	4,633 83	24.16
Parry Sound	109	2,168	438 00	20.20
Simcoe	83	1,751	505 24	28.84
St. Catharines	106	3,135	842 00	26.85
Sarnia	200	5,362	1,024 11	19.09
Stratford	134	3,585	804 46	22.25
Sandwich	248	6,095	1,766 20	28 96
St. Thomas	96	3,264	291 78	08.93
Sault Ste. Marie	160	6,618	2,209 81	33.39
Sudbury	595	7,786	1,790 78	23.00
Toronto	4,584	97,707	17,654 24	18.06
Walkerton	74	2,799	714 22	25.51
Woodstock	147	5,930	797 55	13.44
Welland	147	4,868	1,411 00	20.76
Whitby	85	3,599	862 23	23.98
Totals	13,158	316,872	74,383 15	23 47

TABLE No. 11.

Shewing the number of prisoners, male and female, *sentenced* during the year ending 30th September, 1909, and a comparison of the same with the current year.

Name of gaol.	No. of Prisoners *sentenced* in the year ending 30th September, 1908.			No. of Prisoners *sentenced* in the year ending 30th September, 1909.			Increase.			Decrease.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Barrie	138	4	142	139	5	144	1	1	2			
Berlin	70	3	73	72	3	75	2		2			
Belleville	107	3	110	84	5	89		2	2	23		23
Brantford	183	2	185	149	8	157		6	6	34		34
Brampton	15		15	16		16	1		1			
Brockville	87	2	89	74	4	78		2	2	13		13
Bracebridge	30		30	51	5	56	21	5	26			
Cayuga	36	4	40	35	2	37				1	2	3
Cornwall	49		49	58	4	62	9	4	13			
Cobourg	64	2	66	55	4	59		2	2	9		9
Chatham	64	10	74	86	9	95	22		22		1	1
Fort Frances	47		47	39	4	43		4	4	8		8
Goderich	41		41	53	3	56	12	3	15			
Guelph	34	1	35	48		48	14		14		1	1
Gore Bay	16		16	14		14				2		2
Hamilton	604	47	651	612	62	674	8	15	23			
Kingston	113	10	123	131	7	138	18		18		3	3
Kenora	212	4	216	124	2	126				88	2	90
London	384	17	401	343	17	360				41		41
Lindsay	30		30	25		25				5		5
L'Orignal	10		10	15		15	5		5			
Milton	44		44	40		40				4		4
Napanee	38		38	36	3	39		3	3	2		2
North Bay	218	11	229	156	14	170		3	3	62		62
Ottawa	502	81	583	434	85	519		4	4	68		68
Owen Sound	68	3	71	67	2	69				1	1	2
Orangeville	33	3	36	37	4	41	4	1	5			
Perth	92	2	94	115	6	121	23	4	27			
Picton	16		16	14		14				2		2
Pembroke	50	1	51	59	3	62	9	2	11			
Peterborough	89	4	93	90	6	96	1	2	3			
Port Arthur	409	23	432	442	26	468	33	3	36			
Parry Sound	67	4	71	61	1	62				6	3	9
Simcoe	60	7	67	65	3	68	5		5		4	4
St. Catharines	44	5	49	71	1	72	27		27		4	4
Sarnia	120	4	124	126	1	127	6		6		3	3
Stratford	79	1	80	67	3	70		2	2	12		12
Sandwich	113	1	114	114	2	116	1	1	2			
St. Thomas	61	4	65	56		56				5	4	9
Sault Ste. Marie	118	13	131	85	7	92				33	6	39
Sudbury	180	8	188	391	21	412	211	13	224			
Toronto	1,906	441	2,407	2,176	540	2,716	210	99	309			
Walkerton	43	3	46	43	1	44					2	2
Woodstock	90	6	96	66	2	68				24	4	28
Welland	119	1	120	92	2	94		1	1	27		27
Whitby	68	3	71	53	2	55				15	1	16
Lock-ups:												
Antikokan	1		1	5		5	4		4			
Burk's Falls	19		20	31	3	34	12	2	14			
Byng Inlet	5		5	2		2				3		3
Cobalt				31		31	31		31			
Killarney				9		9	9		9			
Mattawa	2	1	3							2	1	3
Manitowaning	1		1	8	1	9	7	1	8			
Mine Centre				1		1	1		1			
Webbwood	15		15	12		12				3		3
Totals	7,064	740	7,804	7,278	883	8,161	707	185	892	493	42	535

FORTY-SECOND ANNUAL REPORT

OF THE

INSPECTOR OF

Prisons and Reformatories

OF THE

PROVINCE OF ONTARIO

BEING FOR THE TEN MONTHS ENDING 31st OCTOBER

1909

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty
1910

Toronto, January 31st, 1910.

To His Honour John Morison Gibson, *a Colonel in the Militia of Canada, etc., etc., etc., Lieutenant-Governor of the Province of Ontario.*

May it Please Your Honour:

I beg to submit herewith the Forty-second Annual Report upon the Prisons and Reformatories, being for the year ending 31st October, 1909.

I have the honour to be,

Your Honour's most obedient servant,

W. J. Hanna,

Provincial Secretary.

Toronto, January 31st, 1910.

Sir,—

I have the honour to submit herewith, to be presented to His Honour the Lieutenant-Governor, the Forty-second Annual Report upon the Prisons and Reformatories of the Province of Ontario, being for the year ending 31st October, 1909.

I have the honour to be, Sir,

Your obedient servant,

Edwin R. Rogers,

Inspector.

The Honourable W. J. Hanna, M.P.P.,

Secretary of the Province of Ontario,

Toronto.

CENTRAL PRISON.

INTRODUCTION.

The committals during the ten months of 1909, under report, with 411 in custody on the 1st January, make a total of 880. The average daily population was 406.

Of the total number committed, 17 were abstainers, 134 were temperate, and 318 were intemperate.

The proposed removal of the Central Prison to a large farm, referred to in last year's report, is about to have its inception in the purchase of several hundred acres of land in the vicinity of Guelph. So soon as accommodation can be provided, a number of prisoners will be transferred there and employed in farming operations.

The religious and educational work continues to be conducted with undiminished interest and activity by the willing and earnest band of workers who so freely give their time and labor in this service.

I have again to record my appreciation of the care and attention shown by the Warden and the members of the staff in the discharge of their duties.

EDWIN R. ROGERS,
Inspector.

CENTRAL PRISON INDUSTRIES—PROFIT AND LOSS ACCOUNT FOR 10 MONTHS ENDING OCTOBER 31, 1909.

	Machine shop.	Shoe shop.	Tailor shop.	Woollen mill.	Cordage shop.	North shop.	Total industries.	Carpenter shop.	Green-house.	General gain.
Manufacturing account.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
To raw material on hand Dec. 31, 1908..	10,188 33	356 05	1,454 17	2,409 04	.....	.....	14,407 59	979 82	.....	.....
" purchases raw material	5,083 24	2,163 89	5,030 95	11,573 23	.....	.....	23,851 31	448 56	.....	.....
Total debit	15,271 51	2,519 94	6,485 12	13,982 27	.....	.....	38,258 90	.....	.....	.....
By sales raw material	409 30	20 80	6 57	3 59	.....	.....	440 26	.....	.....	.....
" production to trading account.....	3,326 03	2,100 79	4,564 80	8,842 89	.....	.....	18,834 51	.....	.....	.....
" raw material on hand Oct. 31, 1909..	11,536 24	398 35	1,913 75	5,135 79	.....	.....	18,984 13	.....	.....	.....
Total credit	15,271 57	2,519 94	6,485 12	13,982 27	.....	.....	38,258 90	.....	.....	.....
Trading account.										
To finished stock on hand Dec. 31, 1908..	4,051 07	1,229 56	958 45	4,911 41	.....	.....	11,150 59	.....	.....	.....
" puchases finished material.....	65 87	2,109 93	111 00	.....	.....	.....	2,286 80	.....	882 18	.....
" production from manufacturing acc't	3,326 03	2,100 79	4,564 80	8,842 89	.....	.....	18,834 51	.....	.....	.....
" sundry expenses, repairs, etc.....	606 89	44 61	121 17	312 54	1,128 48	751 66	2,965 35	35 73	134 93	.....
" proportion general expenses	1,100 63	314 37	628 74	1,337 14	2,580 60	654 00	6,615 57	392 96	852 20	.....
" wages	2,010 50	667 00	667 00	876 00	2,493 50	500 34	7,214 34	.....	2,350 00	.....
" proportion general salaries	465 34	132 96	265 92	565 10	1,063 68	265 92	2,758 92	166 20	398 88	.....
Total debit	11,626 33	6,599 32	7,317 08	16,845 08	7,236 35	2,171 92	51,826 08	2,023 27	4,618 19	.....
By sales.....	8,434 98	5,874 29	6,417 74	14,824 24	7,369 22	12,299 48	55,219 95	678 00	27 35	.....
" finished stock on hand Oct. 31, 1909..	3,412 00	1,044 23	2,293 74	5,202 96	.....	.....	11,952 93	572 40	.....	.....
Total credit	11,846 98	6,918 52	8,711 48	20,027 20	7,369 22	12,299 48	67,172 88	1,250 40	27 35	.....
Net gain in year's operations	220 65	319 20	1,394 40	3,182 12	102 87	10,127 56	15,346 80	.....	.....	95 00
" loss in year's operations.....	.....	.....	.....	.....	.....	.....	.....	772 87	4,590 84	.....

Toronto, 31st October, 1909.

Edwin R. Rogers, Esq.,
Inspector of Prisons, etc.,
Toronto.

Sir,—Enclosed please find report for the first ten months of 1909. You will observe that the prison has been taxed to its utmost capacity, while large numbers were confined in the county jails whom we had not room for.

The Prison Industries have been very successfully operated, and many of the inmates have been placed in a position to lead useful and honorable lives.

The Salvation Army, the Prisoners' Aid Association, the Rev. Father Walsh, and Mr. Hamilton Cassels, K.C., Superintendent of the Central Prison Sunday School, have rendered invaluable services to the prison as a whole, and scores of our inmates individually.

The Central Prison Staff have given a loyal and efficient service in the management of the institution.

Permit me to gratefully acknowledge the kind and valuable assistance given by the Honorable the Provincial Secretary, and yourself in all matters pertaining to the welfare of the Central Prison.

I have the honour to be, Sir,

Your obedient servant,

J. T. Gilmour,

Warden.

ANNUAL STATEMENT OF EXPENDITURE.

On Maintenance Account at the Central Prison, For ten Months, Ending October 31st, 1909.

Service.	Total expenditure for year ending 31st Dec., 1908.	Yearly cost per head.	Total expenditure for ten months ending Oct. 31st, 1909.	Cost per head for ten months.
	$ c	$ c.	$ c.	$ c.
Medicines and medical comforts	547 59	1 48	480 04	1 18
Groceries and provisions	17,251 40	39 22	14,858 95	36 60
Heating and lighting	4,488 73	11 45	3,985 37	9 82
Clothing	5,058 32	12 69	4,495 24	11 07
Laundry, soap and cleaning	1,913 81	5 46	1,673 87	4 12
Repairs and replacements	1,943 50	4 56	1,155 16	2 84
Office expense	692 63	1 84	461 97	1 14
Farm and garden expenses	830 84	2 49	797 91	1 96
Miscellaneous (including water)	2,260 38	6 11	1,737 97	4 28
Salaries	31,377 60	75 61	26,954 84	66 39
Total	66,364 80	160 91	56,601 32	139 40

Total days' stay 1908, 149,429; average 408.
Total days' stay 1909, 123,548; average 406.

The first table shows the committals and discharges during the past three years:

	1907.	1908.	1909.
In custody at commencement of year (1st January)	400	409	411
Committed during the year	693	605	469
Total number in custody during the year	1,093	1,014	880
Discharged on expiration of sentence	587	507	391
Discharged on payment of fine	4	2	.....
Discharged by remission of sentence	12	23	19
Transferred to common gaols as unfit for labor	....	4	....
Died in prison hospital	2	....	2
Transferred to lunatic asylum	5	2	3
Ticket of leave	72	62	70
Escaped	....	1	....
Conviction quashed	2	2	1
Remaining in custody	409	411	394
Total discharges, deaths, etc.	1,093	1,014	880

The number of prisoners sentenced direct to the prison, and of those sentenced to the gaols and afterwards removed to the Central Prison, is shown in the following summary:

	1907.	1908.	1909.
Sentenced direct	645	592	462
Transferred from common gaols	48	13	7
Total	693	605	469

Social condition.	Committed during the year.	Total commitments.
Married	135	6,762
Single	334	16,831
	469	23,593

Habits.	Committed during the year.	Total commitments.
Temperate	151	5,770
Intemperate	318	17,823
	469	23,593
Educational status.		
Could read and write	412	19,029
Could read only	...	1,292
Could neither read or write	57	3,272
	469	23,593

The prisoners received during the year who were reported to be of temperate habits represented 31.57 per cent. of the commitments; in 1908 the percentage was 31.57.

The total uneducated men represented 14.22 per cent. of the commitments of the year, as compared with 14.22 per cent. in 1908.

The table annexed shows how the prisoners were employed, and the number of days' work which was performed by them at the different industries:

	1908.	1909.
In the woodenware shop	46,948 days.	41,097 days.
In the tailoring shop	4,113 "	3,241 "
In the shoe shop	1,753 "	1,263 "
In the machine shop, including blacksmith, tinsmith and engineer's shop	14,036 "	10,482 "
In the south shop, woollen mill	7,506 "	6,434 "
In the cordage shop	16,364 "	14,957 "
In permanent improvements and work on the garden and grounds	5,016 "	4,272 "
Carpenter shop	766 "	556 "
Number of days of productive labor	96,501	82,302
Number of days of domestic work	17.587	14,039
Total number of days worked	114,088	96,341

The proportion which the number of days of productive labor bears to the total stay of the prisoners during the two years will be seen in the following summary:

1908.

Total stay of prisoners	149,429 days.
Number of days productive of labor	96,501 "
Proportion	64.58 per cent.

1909.

Total stay of prisoners	123,548 days.
Number of days productive of labor	82,302 "
Proportion	66.62 per cent.

ANNUAL RETURN

OF THE CENTRAL PRISON OF ONTARIO FOR THE TEN MONTHS COMMENCING 1ST JANUARY, 1909, AND ENDING 31ST OCTOBER, 1909.

Remaining in custody Dec. 31st., 1908	411
Committed during the ten months	469
	880
Discharged on expiration of sentence	391
" by remission of sentence	19
" on Ticket of Leave License	70
" by quashing conviction	1
Transferred to Asylum for the Insane	3
Died	2
Remaining in custody on 31st Oct., 1909.	394
	880

Nature of Sentences.

Sentenced direct to the Central Prison or to the Common Gaols:	
To Central Prison	462
" Common Gaols	7
	469
Number of times prisoners have been sentenced to the Central Prison:	
First	372
Second	58
Third	22

Fourth	7
Fifth	5
Sixth	3
Tenth	1
Sixteenth	1
	469

Habits.

Abstainer	17
Temperate	134
Intemperate	318
	469

Nationalities.

Austria	11
Assyria	4
Canada	267
Denmark	3
England	64
Finland	4
France	2
Galicia	1
Germany	3
Greece	2
Ireland	20
Italy	15
Newfoundland	1
New Zealand	1
Persia	1
Poland	5
Roumania	1
Russia	3
Scotland	19
Sweden	1
United States	40
West Indies	1
	469

Religious Denominations.

Anglican	108
Baptist	19
Congregational	3
Greek Catholic	2
Hebrew	7
Lutheran	10
Methodist	76
Presbyterian	69
Roman Catholic	172
Salvation Army	1
No religion	2
	469

Social Conditions.

Married	135
Single	334
	469

Education.

No education	57
Read only	0
Read and write	412
	469

Ages.

Under 18	11
From 18 to 20 years	55
" 20 " 30 "	224
" 30 " 40 "	110
" 40 " 50 "	47
" 50 " 60 "	18
" 60 " 70 "	4
	469

Sentences.

2 months	1
3 "	9
4 "	14
5 "	5
6 "	211
7 "	5
8 "	6
9 "	36
10 "	4
11 "	1
12 "	100
14 "	1
15 "	11
16 "	1
18 "	24
19 "	2
20 "	3
23 "	16
24 "	18
30 "	1
	469

Crimes.

Abduction	2
Aggravated assault	2
Arson	1
Assault	20
Assault causing actual bodily harm	2
Assault and robbery	5
Attempted buggery	1
Attempted indecent assault	1
Attempted rape	2
Attempted suicide	1
Attempted theft	1
Attempt to blow up boiler	1
Bigamy	8
Burglary	9
Car breaking and larceny	6
Carnal knowledge	4
Carrying dangerous weapons	1
Cattle stealing	1
Conspiracy to defraud	2
Demand money by threats	2
Deserting His Majesty's Service	1
Drunk and disorderly	9
False pretences	11
Forgery	18
Gross indecency	4
Horse stealing	8
House breaking	2
House breaking and larceny	8
House breaking and theft	7
Indecent assault	10
Indecent exposure	2
Inmate house of ill-fame	2

Keeper house of ill-fame	3
Larceny	141
Non-support of wife	4
Obstructing railway	1
Obtaining goods by false pretences	2
Obtaining money by false pretences	4
Perjury	3
Receiving stolen goods	5
Rioting	1
Robbery	2
Seduction	1
Selling obscene matter	1
Selling liquor without license	4
Shop breaking and larceny	15
Shop breaking and theft	3
Sodomy	2
Theft	59
Theft from person	15
Unlawful assembling	4
Unlawfully procuring	1
Vagrancy	33
Wilfully causing bodily harm	1
Wounding	10
	469

Occupations.

Agent	3
Baker	9
Barber	12
Bartender	3
Bellboy	1
Blacksmith	2
Boilermaker	1
Brakeman	2
Broommaker	1
Butcher	3
Carpenter	16
Carriage-mounter	1
Cigarmaker	1
Clerk	13
Commercial traveller	1
Cook	11
Diamond-setter	1
Draftsman	1
Electrician	2
Engineer	5
Farmer	7
Fireman	19
Furrier	2
Groom	5
Harness maker	1
Jockey	2
Laborer	211
Lather	3
Lineman	1
Machinist	16
Merchant	2
Millwright	1
Miner	8
Moulder	5
Musician	1
Painter	23
Pedler	1
Plasterer	1
Polisher	3
Porter	2
Printer	1
Reporter	1
Roofer	2
Ropemaker	4
Sailor	3
Salesman	4
Shoemaker	4
Steamfitter	6
Stonecutter	2
Stonemason	3
Stovemounter	1
Student	1
Tailor	9
Teamster	11
Telegrapher	1
Tinsmith	1
Waiter	11
Woodturner	1
	469

Counties and Districts.

Algoma	6
Brant	7
Carlton	37
Elgin	4
Essex	15
Frontenac	4
Grey	9
Haldimand	3
Hastings	7
Huron	2
Kent	15
Lambton	3
Lanark	9
Leeds and Grenville	6
Lennox and Addington	1
Manitoulin	1
Middlesex	23
Muskoka	5
Nipissing	48
Norfolk	4
Northumberland and Durham	2
Ontario	2
Oxford	4
Parry Sound	4
Peel	1
Perth	2
Peterborough	6
Rainy River	21
Simcoe	10
Stormont and Glengarry	3
Thunder Bay	28
Victoria	1
Waterloo	8
Welland	7
Wellington	2
Wentworth	39
York	120
	469

INDUSTRIAL DEPARTMENT.

Return showing the number of days work rendered for the ten months commencing January 1st, 1909, and ending October 31st, 1909.

Woodworking shop	41,097
Carpenter shop	556
Woollen mill	6,434
Machine shop	5,694
Engineers and steamfitters	4,788
Cordage mill	14,957
Tailor shop	3,241
Shoe shop	1,263
Garden and grounds	3,555
Repairs and permanent improvements	717
	82,302

DOMESTIC AND KITCHEN DEPARTMENT.

Kitchen (cooks, bakers, etc.)	3,538
Domestics (cleaners, etc.)	10,501
	14,039

Return showing the number of days prisoners were in hospital, sick in cells, under punishment, and confined through insufficient work from January 1st, 1909, to October 31st, 1909.

Hospital	1,012 days
Sick in cells	1,391 "
Under punishment	270 "
Insufficient work	3,972 "
	6,645

General summary of distribution of prisoners in the Central Prison from January 1st, 1909, to October 31st, 1909.

Industrial department	82,302 days
Domestic and kitchen	14,039 "
Sick in hospital	1,012 "
Sick in cells	1,391 "
Under punishment	270 "
Insufficient work	3,972 "
Sundays and holidays	20,662 "
	123,548

Total population for the ten months	123,548 days
Highest any one month	12,749 "
" " " day	422 "
Lowest " " month	12,039 "
" " " day	377
Average per month	12,354 days
Average per day	406

SURGEON'S REPORT.

EDWIN R. ROGERS, ESQ.,
Inspector of Prisons, etc.,
Toronto.

SIR,—I am pleased to be able to report a continued exemption from serious epidemics among the inmates of the Central Prison during the past year.

We had our annual visit of La grippe, and some cases of severe laryngitis, but the recoveries have been satisfactory.

The sanitation of the prisoners, as regards their clothing and bedding, has been well attended to, and the cases of skin disease have been much less than in some former years.

Our crop of accidents, though numerous, has not been so severe as in other years, and recoveries have been very complete.

We have had two deaths—one sudden, from dilatation of heart; and one from typhoid fever. They received every care and attention possible.

I have tested the food on various occasions, and find it to be properly prepared and served.

Any details that may be required by the Department can be promptly supplied.

WM. SLOAN, M.D.

Jan. 16, 1910.

THE SALVATION ARMY PRISONERS' AID WORK.

SALVATION ARMY HEADQUARTERS.

December 14th, 1909.

THE INSPECTORS OF PRISONS, ETC.,
Toronto.

SIRS,—I have pleasure in presenting our report for year ending 1909.

It is nineteen years since General Booth issued his thrilling treatise on the social problem, "Darkest England, and the Way Out." It was a revelation that startled the world. Since then the Army's work amongst those who have fallen on life's causeway has spread until its ramifications have stretched to the four points of the compass, and thousands have been reclaimed.

Of all the poor outcasts tossed to and fro on the dark ocean where the submerged sin, suffer and perish, few appeal more loudly to our sympathies, or present more powerful and pathetic claims for our assistance than the condemned, despised criminal. A large proportion are born of criminal parents, and initiated into the wretched business in their childhood. It is difficult to see how they can be expected to follow any other calling.

Many have been induced to do wrong by poverty or misfortune, or to get themselves out of some difficulty into which they have been brought by extravagance, gambling,or some other vice, without the most distant idea of ever becoming criminals, but, having got into the pit, find it almost impossible to get out again.

We believe it to be the duty of society, in the protection of its own interests and the interests of the criminal himself, to punish him in such a manner as his deserts appear to require. This is the Divine plan. The Bible from beginning to end recognizes the right of society to inflict it. Punishment, if rightly inflicted, is calculated to have a beneficial effect on the mind of the wrong-doer himself, compelling thought and suggesting reformation, and so leading to the desire for an honest life in the future. But punishment should be just. That is, not only should the guilt be brought home to the wrong-doer, but the degree of punishment should bear reasonable proportion to the character of the offence. If I understand the machinery of the law aright, it is not simply to hold these men for a time and then send them out to prey on society, but to teach them the lesson of life. But what is the use of teaching them if we do not give them a chance to practice it when they leave prison? It is this attitude on the part of many that sends men back again and again. The Salvation Army meets them on their discharge, finds them suitable employment somewhere, and, if they fail—well, we give them another chance. Some of these poor creatures never knew the touch of love. They were cursed in their cradles, old in sin when other children were learning their A B C. If given a chance to win a new experience of life, who can tell how they might be changed. Time and again they have proved worthy of our trust and have done splendidly.

I think there is a need for the establishment of a system of indeterminate or indefinite sentences, and believe this would be most helpful in promoting reform work.

For years our officers at Toronto and in various Police Courts have been doing work which answers almost the same as probationary work, with good results.

Commissioner and Mrs. Coombs are hoping for a very successful work in connection with our Men's and Women's Social Branch this year.

In conclusion, let me say I cannot speak too highly of the courtesy and kindness of the Honourable the Provincial Secretary, yourselves, Warden Gilmour, of the Central Prison; Dr. Chambers, Toronto Gaol; and the Governors of the Gaols throughout the Province.

Appended will be found statistical table of the work accomplished.

Yours for God and humanity.

JOSEPH S. PUGMIRE,

Secretary for Prison Work.

SALVATION ARMY.

TWELVE MONTHS' FIGURES FOR THE CITY OF TORONTO (NOT INCLUDING THE CENTRAL PRISON).

No. of prisoners interviewed	11,434
" of prisoners met on discharge	977
" of ex-prisoners found employment	148
" of meals supplied to ex-prisoners	2,223
" of pieces of clothing given ex-prisoners	899
" of ex-prisoners assisted with fares to situations	123
" of night's lodgings supplied ex-prisoners	1,333

SALVATION ARMY.

TWELVE MONTHS' FIGURES FOR THE PROVINCE OF ONTARIO, FROM NOVEMBER, 1908, TO OCTOBER, 1909, INCLUSIVE.

No. of prisoners interviewed	26,855
" of prisoners met on discharge	1,538
" of ex-prisoners found employment	484
" of meals supplied ex-prisoners	3,422
" of pieces of clothing given ex-prisoners	1,494
" of ex-prisoners assisted with fares to situations	497
" of night's lodgings supplied ex-prisoners	2,229

SALVATION ARMY.

TWELVE MONTHS' FIGURES FOR THE CENTRAL PRISON, FROM NOVEMBER, 1909, TO OCTOBER, 1909, INCLUSIVE.

No. of prisoners interviewed	14,639
" of prisoners met on discharge	430
" of ex-prisoners found employment	324
" of pieces of clothing given ex-prisoners	502
" of meals supplied ex-prisoners	971
" of ex-prisoners assisted with fares to situations	365
" of night's lodgings supplied ex-prisoners	800

THE PRISONERS' AID ASSOCIATION.

REPORT OF THE BOARD OF MANAGERS FOR THE YEAR ENDING SEPT. 30TH, 1909.

Thirty-five years of service in the interests of the class whom we are endeavouring to assist to a better and higher life finds us with hope unabated, notwithstanding the disappointments we frequently meet. No new features have been added to our work, which already embraces several departments.

Both the spiritual and temporal welfare of the prisoners and discharged prisoners has claimed our efforts, as in former years. In matters pertaining to the spiritual enlightenment of the men and women under our care, the teachers in the Sabbath Schools and prayer meetings have been most earnest in their work.

The evening schools for secular education have been carried on, as usual, four nights each week. The attendance has been very good, and the results quite encouraging to the teachers in charge. By consulting the summary of practical work one can best form an opinion of the extent of the work done and the effort required to accomplish it.

We are very grateful to those who have assisted us in any way during the year. To the press, the Ministerial Association and the teachers in the Sunday Schools we tender our sincere thanks.

We are also very grateful to the officials of the several institutions for their uniform courtesy and co-operation.

Signed on behalf of the Board,

HAMILTON CASSELS,

President.

SUMMARY OF PRACTICAL WORK DONE.

YEAR ENDING SEPTEMBER 30TH, 1909.

No.	discharged prisoners aided by meals, lodgings, clothing, loans, employment, etc.		1,137
"	benefitted by evening school in Central Prison	152	
"	benefitted by evening school in Mercer Reformatory	50	
			202
"	meals given to discharged prisoners		10,654
"	lodgings given to discharged prisoners		2,996
"	articles of clothing given to discharged prisoners		730
"	grocery and fuel orders for families of prisoners		42
"	for whom rent was paid		9
"	cash loans		1
"	supplied with tools		4
"	discharged prisoners placed in employment		195
"	railway fares supplied or supplemented		50
"	visits to city prisons		579
"	visits to Police Court		274
"	calls made in the interests of the work		4,302
"	class received		3,530
"	visits to hospitals and homes		168
"	personal interviews in connection with the work		12,984
"	letters written		1,193
"	letters received		1,188
"	services held in three prisons weekly is 12, making		624

REPORT OF THE CENTRAL PRISON SUNDAY SCHOOL

FOR THE YEAR ENDING SEPT. 30TH, 1909.

The Sunday School at the Central Prison has been conducted during the past year as usual. No exceptional features call for special reference. The average attendance of teachers was 28; of men, 223.

We thank the Wardens and Officers of the Prison for their continued courtesy and help in connection with the work.

In addition to the teachers on the roll at the close of the year, whose names are appended, we have received help from time to time from many others who have not been able to become permanent members of our teaching staff.

On several occasions we have been assisted by friends who have come to speak or sing or recite to the men, with great acceptance and much resulting benefit.

The teachers on the roll at the close of the year are: John Ablett, Jonas Ayton, Percy A. Breakey, Frank Constable, William Digby, Joseph Dunlop, Osborne A. Graham, P. A. Grandjean, Robert G. Hunter, W. C. Johnston, Martin Libby, James Longley, James Malyon, John McAllister, W. H. McCormac, J. E. McCorquodale, John A. MacMillan, Lawrence Newton, Fred Nicholson, Wm. T. Shaw, Wm. Stephens, Arthur Strickland, Thomas Taylor, Robert Warner, Geo. Wakefield, A. H. Wilby, David W. White, George Williams.

HAMILTON CASSELS,

Superintendent.

REPORT OF THE CENTRAL PRISON NIGHT SCHOOL

For the Year Ending Sept. 30th, 1909.

No specially new features have been introduced in the work of the evening school during the year just completed, except that the time for each session has been increased from one hour to an hour and a half. This change of time means much to those who are anxious to learn.

The number registered during the year was one hundred and fifty-two, nearly half of whom were foreigners. The ability of these men to learn, and the interest they take in acquiring a knowledge of the English language, is worthy of note.

Sixty-two could neither read nor write when enrolled. Forty-six could read but little in the first reader, while the remainder could read in the second reader. Special attention is given to those who need it most.

Fifty-one were twenty-one years of age or under, eighty-one were from twenty-one to thirty-five years old, the remainder being over thirty-five.

The subjects taught are reading, writing, spelling, correspondence, geography and arithmetic.

The total aggregate of school hours were 11,692.

The uniform kindness and co-operation of Warden Gilmour and his Staff have contributed in no small degree to increase the pleasure of a most interesting work.

Finlay Spencer,
Teacher.

MERCER REFORMATORY.

Introductory.

The commitments during the ten months under report were 103, and the number in charge at the beginning of the year was 70, making a total of 173. The number remaining in custody October 31st, 1909, was 82.

As to their social conditions, 42 were married, 5 widowed and 56 single. In education, 83 could read and write, 6 could read only, and 14 were entirely illiterate. In habits, 55 were temperate and 48 intemperate. The ages were: 8 were under eighteen years, 12 between eighteen and twenty, 53 between twenty and thirty, 14 between thirty and forty, 14 between forty and fifty, and 2 between fifty and sixty.

Edwin R. Rogers,
Inspector.

Toronto, January 13th, 1909.

Edwin R. Rogers, Esq.,
Inspector of Prisons, etc.,
Toronto.

Sir,—I have the honour to submit the report of the Andrew Mercer Ontario Reformatory for Females for the ten months ending October 31st, 1909.

The usual statistical tables are appended, giving some idea of the population in the Reformatory and the life here, also the revenue obtained from the industries.

Although the average daily population for the ten months of this report is less than for 1908, the institution has been crowded in several departments, making making it impossible to provide the useful isolation, for a short period, of incoming prisoners, also encroaching upon the cells devoted to young first offenders. The need of additional isolated cells for refractory prisoners has been accentuated

during the past few months, when some five or six turbulent young women could disturb, by their noisy conduct when in the refractory cells, sixty-five well-behaved and industrious women.

There are eight corridors in the Reformatory, containing in all one hundred and four cells, divided as follows: Two corridors on the third or top floor of sixteen and twelve cells respectively, used for first offenders; two corridors on the second floor, of the capacity for ordinary offenders; one corridor on the first floor of twelve cells, for the keepers of houses of ill-fame; one corridor on the first floor of sixteen cells, for entrance; two in the basement, one of nine cells for syphilitic women; and one, a punishment corridor of eleven cells, for refractory inmates. It can readily be seen that some departments may become overcrowded while there are empty cells in others. The directing of the overflow from one department to another is disastrous in its consequences.

There are two large, vacant spaces over the laundry that might be converted into cells for the keepers of houses of ill-fame, who would then be very properly completely isolated.

With regard to the revenue from our principal industry—laundrying—it should be remembered that during the installation of additional machinery the laundry was necessarily shut down for a couple of months. A large amount of work has been turned out from the sewing-room, apart from that from which direct revenue is returned. Everything used and worn in the institution, including the uniforms of the attendants, clothing for discharged women, is made up in the sewing-room. I would recommend that proper work tables and additional sewing machines be placed, so that a knowledge of plain and machine sewing may be acquired by those prisoners showing any aptitude in this direction.

I am pleased to record the installation of a fire-alarm system and additional hose and fire extinguishers. There are some further recommendations made by the Government Inspector of this department that no doubt will be carried out in due time.

The class of women received at the Reformatory becomes yearly more difficult; those for whom it is a first term in the institution are the hopeless misfits and failures of the Children's Aid Societies and Industrial Schools—the six months' term, too often given, has neither a deterring effect, nor can it be expected to have any reformative effect. Were the limit of a sentence to this Reformatory given, namely, two years, some good might be accomplished.

I wish to acknowledge the devoted work of Miss Mary Kelly among the women confined here, and also her continual interest in them when released from the institution.

As in past years, the ministers of the different denominations have conducted services for the women, not only on Sundays but during the week; while the Salvation Army and the Prisoners' Aid Association have been unremitting in their attendance.

The Rev. Father Walsh has been unwearied in his care for the Catholic population of the institution.

To these and many kind friends who have remembered the institution on holiday occasions my thanks are earnestly tendered.

I have the honour to be,

Sir,

Your obedient servant,

EMMA O'SULLIVAN,

Superintendent.

Statement of Expenditure on Maintenance Account at the Mercer Reformatory for the Ten Months Ending Oct. 31st, 1909.

Service.	Total expenditure for year ending Dec. 31st, 1908.	Yearly cost per head.	Total expenditure for 10 months ending Oct. 31st, 1909.	Cost per head for ten months.
	$ c.	$ c.	$ c.	$ c.
Medicines and medical comforts	119 87	1 66	65 10	1 10
Groceries and provisions	3,763 34	52 27	3,191 34	54 09
Heating and lighting	2,413 50	33 52	2,478 53	42 01
Clothing	761 15	10 57	769 04	13 05
Laundry soap and cleaning	753 95	10 47	1,779 23	30 15
Repairs and replacements	454 00	6 31	495 08	8 40
Office expense	323 47	4 49	282 48	4 79
Farm and garden expense	402 89	5 60	397 99	6 74
Miscellaneous (including water)	1,063 34	14 77	863 17	14 63
Salaries	10,915 24	151 60	10,008 45	169 64
Totals	20,970 75	291 26	20,330 41	344 60
Less revenue	3,626 41	50 37	4,782 90	81 07
Total net cost	17,344 34	240 89	15,547 51	263 53

	1908.	1909.
Number of days stay—Reformatory	26,025	17,354
Infants	388	602
Totals	26,413	17,956
Average daily population	72	59

ANNUAL RETURN OF THE ANDREW MERCER ONTARIO REFORMATORY, FOR TEN MONTHS, ENDING OCTOBER 31ST, 1909.

	1908	1909
Number of inmates at beginning of year	72	70
Number of inmates since admitted	106	103
	178	173
Discharged by expiration of sentence	91	61
Discharged on Ticket-of-Leave	7	10
Discharged on payment of fine	2	8
Discharged by order of the Inspector	2	2
Discharged by order of his Excellency the Gov.-General	1	3
Discharged by order of the Department	1	....
Escaped	1	2
Transferred to St. Mary's Industrial School	3	....
Transferred to Toronto Asylum	1	....
Transferred to Kingston Penitentiary	....	1
Deported	....	4
	109	91
Recaptured	1	2
	108	93
In custody at close of year (December 31st)	70	..
In custody at close of year (October 31st)		82

Annual Statistical Report of the Andrew Mercer Ontario Reformatory for Females for Ten Months Ending October 31st, 1909.

No. of inmates, January 1st, 1909	70
" of inmates since received	103
	173
Discharged by expiration of sentence	61
" by ticket-of-leave	10
" on payment of fine	8
" by order of His Excellency, Governor-General	3
" by order of Inspector	2
Deported	4
Escaped	2
Transferred to Kingston Penitentiary	1
Remaining in custody October 31st, 1909	82
	173

Nature of Sentence.

Sentenced direct to the reformatory.	99
Sentenced to common gaol	4
	103

Social Condition.

Married	42
Single	56
Widow	5
	103

Temperate or Intemperate.

Temperate	55
Intemperate	48
	103

Education.

Read and write	83
Read only	6
No education	14
	103

Ages.

Under 18 years	8
From 18 to 20 years	12
From 20 to 30 years	53
From 30 to 40 years	14
From 40 to 50 years	14
From 50 to 60 years	2
	103

Sentences.

For six months	64
For eight months	1
For nine months	1
For ten months	1
Not less than eleven months	1
For one year	9
For fifteen months	1
For eighteen months	3
For twenty-three months	2
For two years less one day	12
For an indefinite period	8
	103

Occupations.

Charwomen	7
Domestics	45
Factory girls	4
Housekeepers	11
Hairdresser	1
Laundress	1
Milliner	1
No occupation	27
Prostitutes	4
Waitress	2

Crimes.

Assault and vagrancy	1
Drunkenness	14
Drunkenness and vagrancy	1
Escape from lawful custody	1
Inmate house of ill-fame	5
Immoral conduct and escaping from custody	1
Keeper disorderly house	1
Keeper house of ill-fame	7
Keeper house of ill-fame and prostitution	1
Perjury	2
Prostitution	8
Prostitution and vagrancy	5
Permitting defilement of young girls.	1
Theft	12
Theft and attempt to escape from custody	1
Vagrancy	41
Vagrancy and obscene language	1
	103

Nationality.

Canadian	75
England	5
Ireland	6
Scotland	4
United States	13
	103

Religion.	
Baptist	8
Catholics	37
Church of England	16
Congregationalist	1
Jewish	1
Methodist	22
None	2
Presbyterian	14
Salvation Army	2
	103

Number of Terms Served in the Reformatory.	
First term	72
Second term	11
Third term	5
Fourth term	2
Fifth term	1
Sixth term	3
Seventh term	3
Ninth term	1
Eleventh term	2
Thirteenth	1
Fifteenth term	1
Eighteenth term	1
	103

Counties.	Sentenced direct to Reformatory.	Sentenced to Common Gaol and transferred to the Reformatory.
Algoma, district of	3	1
Carleton	2	2
Durham and Northumberland	1	0
Grey	1	0
Kent	2	0
Lanark	1	0
Lincoln	1	0
Middlesex	13	0
Muskoka, district of	3	0
Nipissing, district of	9	0
Oxford	1	0
Perth	3	0
Parry Sound	1	0
Peterborough	3	0
Waterloo	1	0
Wentworth	15	0
York	39	1
	99	4—103

Number of Days' Work Done by the Inmates During the Year.

Industrial Department.

	Days.
Knitting to fill orders	292½
Laundry (city)	3,346¼
Sewing to fill orders	41
	3,679¾

Domestic Labour.

Cooking, baking and dining room	1,947½
Cleaning	3,429½
Laundry (inmates and staff)	318½
Learning to wash and iron	650½
Learning to sew	166¼
Learning to knit	649¼
Nursery and hospital	442
Sewing, mending and knitting for Reformatory	1,142¼
	8,745¾

WORK ACCOMPLISHED BY INMATES DURING TEN MONTHS ENDING OCTOBER 31ST, 1909.

Laundry Department.

	Pieces.
Number of articles laundered	493,755

Sewing Department.

Number of articles manufactured	1,526
Number of articles repaired	8,307

Knitting Department.

	Pairs.
Number of mitts and stockings knitted	536
Number of stockings footed	77

REPORT OF THE ANDREW MERCER REFORMATORY NIGHT SCHOOL

FOR THE YEAR ENDING SEPT. 30TH, 1909.

During the year ending September 30th fifty women have been enrolled as students. Of this number twelve were almost wholly illiterate; to these have been given especial care and a large portion of time.

Instruction has been given in writing, reading, spelling, arithmetic, correspondence, hygiene and geography; short prose and poetical selections from best writers have been memorized.

Almost without exception the pupils have evidenced a very sincere and gratifying interest in their work, and have been diligent and persevering.

The unfailing kindness of Mrs. O'Sullivan, Superintendent; Mrs. Coad, Assistant Superintendent, and of their able staff has contributed in no small degree towards making the work successful and pleasant, and is most gratefully acknowledged.

Respectfully submitted,

E. M. MACMATH,

Teacher.

BINDING SECT. AUG 2 4 1967